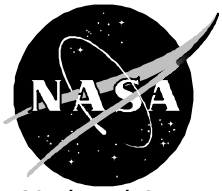
OPERATIONS GUIDE FOR THE NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS) INVENTORY SYSTEM

Release 4.0

NEMSINV-OG-13

PrISMS Contract

April 1998



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OPERATIONS GUIDE FOR THE NEMS INVENTORY SYSTEM RELEASE 4.0

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April 1998

1. GENERAL FRAMEWORK

1.1 PURPOSE

The purpose of the NEMS Inventory Subsystem is to conduct a NASA Terminal Equipment Inventory.

In order to achieve this purpose, (1) the Inventory Data Base is created and maintained, and (2) the necessary information is obtained from the data base either through online adhoc inquiries or through formal reports produced by batch processing.

This booklet is prepared for both the users and automated data processing (ADP) personnel. Information described in this booklet will give a general picture of the subsystem, and will allow easier access to the Inventory Subsystem for the users or ADP personnel.

1.2 FEATURES OF THE SYSTEM

The Inventory Subsystem is a subsystem, written in the NATURAL language, to NEMS. It compares existing equipment data to the data collected from a physical inventory and flags any discrepancies. A list of the various discrepancies and their meaning are given below. These discrepancies are corrected (worked off) through inventory transactions similar to the equipment transactions.

This system, although a subsystem to NEMS, is used independently of NEMS. It has its own control system, display screens, reports, and transactions. It does use the Equipment File for reference and update.

An inventory should be done every three years. When an inventory is opened it should be completed and closed within the next three years. Each installation controls its own inventory by Custodian Accounts/Location. To begin an inventory the user will 'open' it and request (at this point or later) the pre-inventory reports giving them summary statistics on what is to be inventoried. Accounts/Locations are then selected (opened) for inventory. Equipment is physically inventoried using portable bar code readers (PBCR). This PBCR data is uploaded to a personal computer (PC), and uploaded again to an Adaptable Data Base (ADABAS) file on the mainframe. At this point the Custodian Account/Location that was just inventoried and uploaded (and opened earlier) is set for processing (Bar Code File against Inventory File). The Equipment File records are downloaded to the Inventory File and compared to the Bar Code File records and any discrepancies are defined as:

Overages - Equipment was physically inventoried for a Custodian Account/Location and does not belong to that Account/Location or any other Account/Location opened on the Inventory File, or the Equipment Control Number (ECN) cannot be found on the Equipment File.

Underages - Equipment on record to belong to a Custodian Account/Location was not physically inventoried.

Location - Equipment belonging to a Custodian Account/Location (grid) was found in a different location (building or room) than on record. Note: these records will have their location (equipment) automatically changed on the Equipment File to where it was scanned by the PBCR as a part of the bar code data processing.

A separate report, showing items in question, will be generated automatically for each type of discrepancy, as needed. These reports can also be requested at any time.

The discrepancies and/or their counts can be reviewed online by using the Status Option. Each type of Status available will be described later.

The discrepancies are corrected by using inventory transactions which will be applied to the Inventory File and the Equipment File. These transactions follow the same procedure a regular equipment transactions with the additional task of updating the Inventory File and correcting discrepancy flags. Therefore, although an inventory transaction will have the same effect on the Equipment File as a regular transaction, the inventory transaction must be used in order to correct the discrepancy.

Summary information, such as the current corrected number of each type of discrepancy, number of records uploaded from the PBCR, etc., is continually maintained on a status file along with a record of each transaction applied. This information is displayed on the various status screens.

When all discrepancies for a Custodian Account/Location are corrected, the Account/Location is selected to be closed. This involves clearing out inventory records, bar code records and creating a history record with final processing counts and dates. The locations (equipment) scanned by the PBCR updated the equipment file when the bar code data was processed.

A more detailed explanation of each step in the Inventory Process will follow.

To initiate the Inventory Subsystem the user should sign on to ADABAS/NATURAL as with the NEMS system, to the point of entering 'NEMS'. At this point 'INV' should be entered which will return a 'NEMS-Inventory Subsystem' screen. After depressing the ENTER/RETURN key again, the Main Menu screen will be displayed and the user will be prompted for the function desired.

1.3 DATA BASE AND PROGRAMS

The inventory data base is established and maintained under the ADABAS data base management system (DBMS). The programs that comprise the Inventory automated system are written in NATURAL, the ADABAS online interactive processing language. Currently, about 130 programs are supporting this system.

Since the Inventory Subsystem is organized and processed under the ADABAS DBMS, ADABAS files are created and maintained for the system. The records on the ADABAS files are well indexed by the ADABAS software, and are directly accessed in a very quick and effective way.

Under the ADABAS/NATURAL system, a certain category of records, or records which are matched against certain qualifiers can be extracted directly from an ADABAS file, instead of extracting all records first and then testing records for certain qualifications. This capability of selective extraction of records from an ADABAS file reduces unnecessary processing substantially, and economizes overall processing dramatically.

The capability of 'qualifying-and-extracting' records from a ADABAS file, instead of 'extracting-and-qualifying' records on a ADABAS file, is provided by the ADABAS inverted indexing system. Under the inverted indexing system, contents of records are first checked, and if they are qualified, then locations of qualified records are sought and records are extracted. For this purpose, contents of certain key-like fields (descriptors) for each record (inverted list) are extracted when records are stored on a ADABAS file.

The inverted list (similar to a condensed file) of an ADABAS file is ready for use once a file is created or updated, and the list contains data (content) for descriptors (certain designated fields), frequency of occurrence of same data (content) and internal system numbers (ISN), unique record number in a file which can be assigned by the system (or by users) for each record which has the same data. The ISN is indexed to the address converter which tells the block number of the file where the record with the ISN is located.

In this way, only necessary records are extracted selectively from an ADABAS file through the inverted indexing system (looking at contents first, then

extracting appropriate records). In addition to this procedure, the highly effective NATURAL language provides very effective and convenient means of accessing and retrieving records from ADABAS files.

However, records on an ADABAS file are only accessed or retrieved through appropriate programs, because of the data indexing system and the fact that most of fields of each record are compressed when the record is stored on an ADABAS file. When records are retrieved from an ADABAS file, the compressed fields are regenerated to the original records.

1.4 INVENTORY FILE ORGANIZATION

1.4.1 The Inventory Database

The NEMS Inventory Database is made up of three (3) ADABAS files. The files are:

(a) Inventory File - (NEMS-INVENTORY),

(b) Bar Code File - (NEMS-BAR-CODE), and

(c) Status File - (NEMS-INV-STATUS).

In addition to these files, the Inventory Subsystem is linked to the following NEMS files:

(a) Equipment File,

(b) Daily Transaction File,

(c) History File,

(d) Table File, and

(e) Report File.

1.4.2 The Inventory File (NEMS-INVENTORY)

The Inventory File is considered as the base file for the Inventory data base. This file is the most important file in the data base (see Attachment #1).

The records on this file are written when an inventory, an Account/Location is opened, an Account/Location is scheduled for overnight edit update processing, and during the batch processing itself. The 'underage' discrepancies are marked with a 'U' and kept on this file. The records remain on this file as long as an Account/Location is open.

When an Account/Location is closed, all records pertaining to the Account/Location are deleted.

1.4.3 Bar Code File (NEMS-BAR-CODE)

This ADABAS file is used as a holding file for bar code records. The records are written to this file via upload of records from PC floppy disk to the mainframe.

While processing the Account/Location against the Inventory File the 'overage' records are flagged by an 'O' on this file. Once an Account/Location is processed and closed all the Account/Location records are deleted from this file.

1.4.4 Status File (NEMS-INV-STATUS)

This ADABAS file contains the To-Date Status records for opened, processed, and closed Accounts/Locations. Information carried on this file includes all the worked off discrepancies by Inventory Transaction Number. The discrepancy Work-Off records are deleted when an Account/Location is closed, but the Status records remain on this file during the triennial inventory cycle.

1.5 NAVIGATION

Navigation in the Inventory module can be accomplished by moving up and down the menu 'trees' or by entering a direct command. The syntax for the direct command is '=A.BBB.CCC' where the equal sign ('=') designates the value as a direct command. The first 'tree' level is identified by the 'A'. A delimiter ('.') followed by the second level and third levels (where applicable) follow. The values for levels correspond to the values on that level of menu. The first level corresponds to the Main Menu options. The second level corresponds to the specific options available to the menu designated by the first level. The same applies for the third level. This amounts to stacking menu directing commands to arrive at a predetermined location. The direct command is available where ever a menu option (or Cancel command) exists. The final destination can be any screen unless a data value was required to get there (e.g. entering the transaction number and ECN on the Add Transaction Menu).

There are a few special direct commands available:

Command	Result
= Q	This command will take you out of NEMS. The result is the same as entering an 'X' on the Main Menu. You would either exit NATURAL or receive the 'NEXT' prompt in NATURAL. This depends on how your NEMS is set up.

= 0 This command will take you to the Main Menu.

= X This command will take you to the Main Menu and put the 'X' in the input field. If you press ENTER again the 'X' will be executed.

= (space) This command will take you to the Main Menu.

These commands can be used as a quick return to the Main Menu or out of the system. The direct commands are intended to enhance navigation, not to replace the existing method of climbing up and down the menu 'trees'.

2. INVENTORY OPEN/CLOSE FUNCTION

2.1 INVENTORY OPEN

This is the first step of the Inventory Process and can only be done one time per inventory. If the inventory has already been opened, the date it was opened will be displayed next to the Option on the Main Menu screen. If the user attempts to open the inventory twice, an error message will be displayed and the function will be aborted. When the inventory is opened the user has the option to generate the two pre-inventory summary reports (by Custodian Account or Grid Location). Reports can also be requested at any time, through the Report Selection function.

2.2 INVENTORY CLOSE

This function will close the NASA triennial inventory cycle.

To process the Close Inventory Function the Inventory File is checked to make sure that all the Custodian Accounts/Locations have been inventoried. This is accomplished by searching the equipment records which have not been inventoried within the current cycle. If all equipment records have been inventoried, a record is written to the Inventory File requesting a close of the inventory.

The actual processing takes place at nightly batch processing. This function will close the inventory and delete all the records from the Inventory, Bar Code, and Status files, and leave all the files and system ready for the next biennial inventory cycle.

3. INVENTORY ACCOUNT/LOCATION ACTIVITY FUNCTION

3.1 ACCOUNT/LOCATION SELECT

When a Custodian Account is to be inventoried, the Custodian Account Number and its sub-accounts are entered on this screen, along with any centerwide accounts necessary. These accounts are then considered 'opened' for inventory.

A centerwide account is a custodian account that is known to have equipment spread through various locations at the installation. If records are scanned for a main account, and belong to one of the centerwide accounts, it is held on the Bar Code File until the centerwide account is processed. When it is known no more equipment for a centerwide account will be scanned, it should be set to be processed. Centerwide accounts can be processed any time.

A main account is the Custodian Account Number being physically inventoried. A sub-account is specified when a physical location is going to be inventoried and it is known that more than one custodian account's equipment will be scanned. The main account will be the custodian account that is predominant, the rest are subs. A maximum of 5 sub-accounts can be attached to each main account.

When a main account is processed (comparing bar code data to the Inventory File), if it has any sub-accounts attached to it, the first sub-account will automatically be made a main account and any remaining sub-accounts for the original main account will be passed as sub-account(s) to the new main account. For example:

1. Main Account - A with sub-accounts - NIE, ATG, DE

    a) After Main Account- A is processed

        Main Account - A with sub-accounts - none

        Main Account - NIE with sub-accounts - ATG, DE

Location is a grid location to which equipment is being physically inventoried for one or more custodians. A maximum of forty (40) locations opened or being processed are allowed at a time.

3.2 ACCOUNT/LOCATION UPLOAD/DELETE

This option will upload PBCR data from a PC to the Bar Code File on the mainframe, or delete an Account/Location from the Bar Code File so the Account/Location can be uploaded again. The user is prompted for the Custodian Account/Location inventoried, and the option desired.

A. Upload Account/Location - Records are uploaded online, 15 at a time. Processing proceeds automatically until all records are processed, without user intervention. The program on the PC passing data to the mainframe will send 'END' as it's last record, which will signify the end of the input data. At the bottom right of the screen will be displayed a Screen Count. This number can be multiplied by 15 to estimate the number of records processed at any given point. When processing is complete a Final Statistics Screen giving the following information is displayed:

- Total Records Read - Total number of records passed from the PC to the mainframe.
- Total Records Uploaded - Total number of records accepted and loaded to the Bar Code File on the mainframe.
- Records Scanned - The number of records physically scanned by the PBCR. When this is done a flag is set to '*'. This flag is passed up to the mainframe and displayed on various status screens and reports.
- Records Keyed-In - If for any reason the PBCR operator cannot physically scan a piece of equipment, the ECN is manually keyed in.
- Records Need Repair - If a piece of equipment is in need of repair the PBCR operator keys in 'R' after the equipment is keyed in. The 'R' is stored in the above-mentioned flag.
- Records Idle - If it is known that a piece of equipment is not being used, an 'I' would be keyed in after the ECN is keyed in. (refer to above)
- Duplicate ECN - If an ECN is found more than once on the floppy disk for the same Custodian Account/location, it will be rejected and the Total No. of Duplicates Found will be displayed on the Upload Statistics Screen. However, if the ECN is found on the Bar

Code File under some other Custodian Account/Location it will be accepted.

A summary record will be created on the Status File for this Account/Location, with the total number of records uploaded.

A.1. Display Uploaded Records - This function displays the bar code records uploaded from the floppy to the mainframe. The following fields are displayed:

- Unit ID - Identification of the portable bar code reader.
- Operator ID - Identification of the person doing the scanning.
- Inventory Date - Date entered on the bar code scanner.
- Custodian Account Number/Location - Custodian Account Number or Location entered on the bar code scanner.
- Building Number - Building number entered on bar code scanner.
- Room Number - Room number entered on bar code scanner
- ECN - ECN scanned through the laser or wand or hand-entered on the bar code scanner.
- Bar Flag - Indicting whether the item was entered by the laser scanner, light wand, or keypad entry.

B. Delete Account/Location - This option will check to see if there are any bar code records for the Custodian Account/Location specified, and that it is a main Account/Location opened on the Inventory File. All Bar Code File data records are deleted. When all records are deleted a message will be displayed to that effect. This option cannot be used if the Account/Location has been processed.

3.3 ACCOUNT/LOCATION PROCESS/CLOSE

This option allows the user to process a Main Account/Location against the Equipment File, produce the discrepancy reports or close the completed Account/Location.

A. Process Account/Location

This option will search the Equipment File for records that belong to the Custodian Account/Location. Then the Bar Code File is searched for each

ECN. If no record is found on the Bar Code File and the Equipment File record does not have the 'OUT' code set, the Inventory Discrepancy Flag is set for an underage. The building and room are compared. If either is different, the Bar Code and Inventory Discrepancy Flag is set for a Location (Equipment) Change. The Equipment File record is stored on the Inventory File, with the Discrepancy Flag. If the Building Number is different, the Building Number Table is searched to find the new Building Number. If the new Building Number is not found on the table a flag is set in the Inventory File to indicate the invalid Building Number.

After all ECN's are processed as above, the Bar Code File is searched again for all bar code records for the Custodian Account/Location, then the Equipment File is searched for the ECN. If no equipment record is found, the Bar Code Discrepancy Flag is set for an overage. If an Equipment Flag record is found and does not belong to the attached sub-accounts for a main account, the Bar Code Discrepancy Flag is set for an overage. For each type of discrepancy, a count is kept on the status file and a report is generated.

If there were any Location (Equipment) Discrepancies, the scanned Location (Equipment), from the Bar Code File, will be moved to the Equipment File. When processing is complete, if the Custodian Account has any sub-accounts attached, the first account is automatically made a main account and any other sub-accounts are passed a sub(s) to the account and any other sub-accounts are passed as sub(s) to the new main account.

B. Account/Location Close

This option closes the main Account/Location when all the discrepancies are corrected. The Status File ‘history’ record is updated for the number of records processed and the date closed. The detail transaction's process records are kept on the file until the triennial inventory cycle is completed. The main Account/Location records are deleted from the Inventory and the Bar Code files.

4. INVENTORY STATUS FUNCTION

4.1 INVENTORY STATUS

This 'Status Menu' gives the user an option to select ten different status screens. They are the following:

1. Current Account/Location Status - This option displays a screen showing the centerwide accounts opened, their Open Date, and the number of items that

have been uploaded to the Bar Code File with another account and held until the centerwide account is processed.

The following screens will display, one main account per screen, with the following information:

- The Main Account Number/Location with an asterisk (*) on the right if that Account/Location is being processed (working off discrepancies).
- Date Main Account/Location was opened.
- Date Main Account/Location was processed.
- The number of items in the Equipment File for this Account/Location.
- Number and value of items that match,
    - Correct Custodian Account Number/Location
    - Correct Equipment Location.
- Number and value of items that match,
    - Correct Custodian Account Number/Location.
    - Wrong Equipment Location.
- Number and value of items with an overage discrepancy.
- Number and value of items scanned where the Building Number entered was invalid.
- Number of items scanned for this account, but held because they belong to a centerwide or an attached sub-account.
- The number of items physically inventoried (scanned).
- The number and value of items with an underage discrepancy.
- The number and value of items previously in a different account that were held for this account to process.
- The number and value of items that are identified as out coded at the time the Account/Location was processed.
- Any sub-accounts attached to this main account.

- The sub-account's 'opened' or 'passed' *Date.
- See 'Inventory Select' section.

User can repeat this option, view a selected Account/Location, or exit out to the Status Menu, at any point (see Figures 4.1 and 4.2).

2. Sub Account Status - This option will display the sub account information, only if a main account is open with sub-accounts attached to it. The following information will be displayed:

    - Main account number.
    - Attached sub-accounts (up to five sub-accounts).
    - Number of items held for sub-accounts.

    This option will repeat the screens until all the main accounts with sub-account attached are displayed (see Figure 4.3).

3. Account/Location History Status - This option displays the history of the triennial inventory cycle. The display screens are divided into three parts. The first screen will display the following information (see Figure 4.4):

    - The date the inventory was opened.
    - Total number of accounts/locations opened.
    - Total number of accounts/locations opened but not processed.
    - Total number of accounts/locations being processed.
    - Total number of accounts/locations processed and closed.
    - Total number of accounts/locations selected.

    At this point the user has the option to view the detail history information by Custodian Account/Location or by date, or exit to the Main Status Menu. If the user wishes to see the detail history information, the following data will be displayed:

    - The Custodian Account Number/Location.
    - The date each main account/location was opened, processed, and closed along with the total number of items processed for each account/location.

- The last screen will display the total number of items processed.

(See Figures 4.5 and 4.6 of this document.)

4. Overage Items Status - This option will display items scanned under a main account/location but they do not belong to the scanned main account/location. Items might be overage because they are not found in the Equipment File or they belong to another account/location. The following information will be displayed on the screen:

    - Custodian Account Number/Location where items were found to be overages.
    - ECN.
    - Bar Code Flag indicating that the item was scanned or keyed by hand; if the item was idle or needed repair.
    - Account Number/Location to which the item actually belongs.
    - The date the item was physically scanned.
    - The ID of the person who scanned the items.
    - The ID (ECN) of the bar code scanner unit.
    - Building location where item was scanned.
    - Room location where item was scanned.
    - Total number of overage items for the account/location.

    As overage discrepancies are corrected through the workoff transactions, they no longer appear on this screen; the total number of overages also changes (see figure 4.7).

5. Underage /items Status - This option will display the items not found during the physical scanning of the account/location, but that exist on the Equipment File. The following information will be displayed on the screen:

    - Custodian Account Number/Location.
    - ECN.
    - The date the account/location was processed.

- Item name.
- Building location where item is supposed to be.
- Room location where item is supposed to be.
- Total number of underage items in this account/location.

As underage discrepancies are corrected through the workoff transactions they no longer appear on this screen; the total number of underages also changes (see figure 4.8).

6. Transaction Status By Custodian/Location - This option will display the status of all the discrepancies corrected through the workoff transactions for a given Custodian Account/Location. The following information will be displayed on the screen:

    - Custodian Account Number/Location.
    - Entry reference number.
    - If a No Change Transaction (I34) was used to correct the discrepancy, the reason for using the No Change Transaction will be displayed as comments.
    - Item name.
    - Transaction number.
    - ECN.
    - The date the discrepancy was corrected.
    - Total number of discrepancies corrected.

    This status information is kept for the triennial inventory cycle (see figure 4.9).

7. Transaction Status By Transaction - This option will display the status of all the discrepancies corrected through a given transaction number. The following information will be displayed on the screen:

    - Transaction number.
    - Entry reference number.

- If a No Change Transaction (I34) was used to correct the discrepancy, the reason for using the no change transaction will be displayed as comments.
- Item name.
- Custodian Account Number/Location.
- ECN.
- The date the discrepancy was corrected.
- Total number of discrepancies corrected.

This status information is kept for the triennial inventory cycle (see figure 4.10).

8. View Local Data - This option will display the local data for a given ECN, which is stored in the Inventory Status File as a comment. (see figure 4.11).

9. ECN Status - This option will display the 'overage' and/or 'underage' status of a given ECN. The following information will be displayed on the screen (see figure 4.12):

    - ECN.
    - Overage and/or underage discrepancy.
    - Custodian Account Number/Location, under which the ECN is a discrepancy.
    - User ID.
    - The date account/location was opened.
    - The date account/location was processed.

CURRENT INVENTORY STATUS SCREEN - 1

BY CUSTODIAN

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
 PROGRAM: SSTCISP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                            - INSTALLATION NAME -

                       CURRENT INVENTORY STATUS SCREEN
--------------------------------------------------------------------------------
                        INVENTORY OPENED: YY/MM/DD

   CENTER-WIDE ACCOUNTS:        OPEN: YY/MM/DD   ITEMS HELD FOR ACCT:

                                OPEN:            ITEMS HELD FOR ACCT:

--------------------------------------------------------------------------------

    ENTER ACCOUNT TO START DISPLAY FROM,
         ' ' TO CONTINUE OR 'X' TO EXIT: __________
```

BY LOCATION

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTCISP2          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                       CURRENT INVENTORY STATUS SCREEN
--------------------------------------------------------------------------------
                        INVENTORY OPENED: YY/MM/DD




--------------------------------------------------------------------------------

    ENTER LOCATION TO START DISPLAY FROM,
         ' ' TO CONTINUE OR 'X' TO EXIT: __________
```

Figure 4.1

CURRENT INVENTORY STATUS SCREEN - 2

BY CUSTODIAN

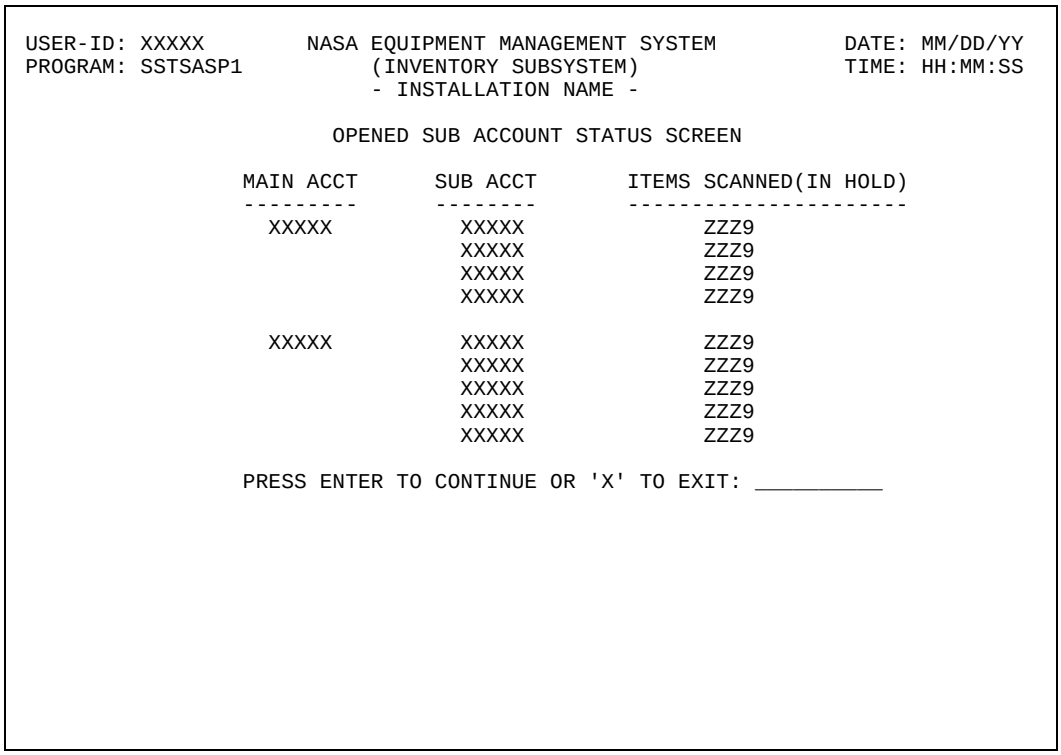
```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTCISP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -
                      CURRENT INVENTORY STATUS DISPLAY
 1 GRIDT*       OPENED: YY/MM/DD   PROCESSED: YY/DD/DD ITEMS IN EQUIP:     XXX

                     COUNT        AMOUNT                     COUNT        AMOUNT
MATCHED, RIGHT LOC:   999     999,999.99 UNDER  (   999 ):   999    -999,999.99
MATCHED, WRONG LOC:   999     999,999.99 ITEMS OUT CODED :     9            .99
OVER     (     9 ):     9            .99
INVALID BUILDING  :     9            .99
                     -------
ITEMS UPLOADED    :   999




                                                        (*=BEING PROCESSED)

ENTER NEW ACCT., ' ' TO CONTINUE, OR 'X' TO EXIT: __________
```

BY LOCATION

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTCISP2          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -
                      CURRENT INVENTORY STATUS DISPLAY
 1 GRIDT*       OPENED: YY/MM/DD   PROCESSED: YY/MM/DD ITEMS IN EQUIP:     999

                     COUNT        AMOUNT                     COUNT        AMOUNT
MATCHED, RIGHT LOC:   999     999,999.99 UNDER  (   999 ):   999    -999,999.99
MATCHED, WRONG LOC:   999     999,999.99 ITEMS OUT CODED :     9            .99
OVER     (     9 ):     9            .99
INVALID BUILDING  :     9            .99
                     -------
ITEMS UPLOADED    :   999




                                                        (*=BEING PROCESSED)

ENTER NEW LOC., ' ' TO CONTINUE, OR 'X' TO EXIT: __________
```

Figure 4.2

SUB ACCOUNTS STATUS SCREEN



```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTSASP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                      OPENED SUB ACCOUNT STATUS SCREEN

               MAIN ACCT      SUB ACCT       ITEMS SCANNED(IN HOLD)
               ---------      --------       ----------------------
                 XXXXX          XXXXX              ZZZ9
                                XXXXX              ZZZ9
                                XXXXX              ZZZ9
                                XXXXX              ZZZ9

                 XXXXX          XXXXX              ZZZ9
                                XXXXX              ZZZ9
                                XXXXX              ZZZ9
                                XXXXX              ZZZ9
                                XXXXX              ZZZ9

               PRESS ENTER TO CONTINUE OR 'X' TO EXIT: __________
```

Figure 4.3

INVENTORY HISTORY STATUS SCREEN - 1

BY CUSTODIAN

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTIHSP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                        INVENTORY HISTORY SCREEN
--------------------------------------------------------------------------------
         INVENTORY OPENED: YY/MM/DD
         MAIN ACCOUNTS ON INVENTORY FILE             :     9
              - OPENED BUT NOT PROCESSED       :     9
              - BEING PROCESSED                :     9
         MAIN ACCOUNTS, PROCESSED AND CLOSED         :
                                                    -----
         TOTAL NUMBER OF CUSTODIAN ACCOUNTS SELECTED :     9
--------------------------------------------------------------------------------

ENTER SELECTION OR 'X' TO EXIT: __________

         1. INVENTORY HISTORY BY CUSTODIAN ACCT FROM ACCT: _____

         2. INVENTORY HISTORY BY DATE FROM DATE (YY MM DD): __ __ __
```

BY LOCATION

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTIHSP4          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                        INVENTORY HISTORY SCREEN
--------------------------------------------------------------------------------
         INVENTORY OPENED: YY/MM/DD
         LOCATIONS ON INVENTORY FILE              :      9
              - OPENED BUT NOT PROCESSED       :     9
              - BEING PROCESSED                :     9
         LOCATIONS, PROCESSED AND CLOSED          :
                                                 -----
         TOTAL NUMBER OF LOCATIONS SELECTED       :       9
--------------------------------------------------------------------------------

ENTER SELECTION OR 'X' TO EXIT: __________

         1. INVENTORY HISTORY BY LOCATION FROM LOCATION: _____

         2. INVENTORY HISTORY BY DATE FROM DATE (YY MM DD): __ __ __
```

Figure 4.4

INVENTORY HISTORY STATUS SCREEN - 2

BY CUSTODIAN

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: DD/MM/YY
PROGRAM: SSTIHSP2          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                  INVENTORY HISTORY SCREEN BY CUSTODIAN ACCOUNT

             ACCT        OPEN     PROCESS      ITEMS      CLOSE
            NUMBER       DATE       DATE     PROCESSED     DATE
            ------     --------   --------   ---------   --------

            99999      YY/MM/DD   YY/MM/DD     999
            99999      YY/MM/DD   YY/MM/DD    9999
            99999      YY/MM/DD   YY/MM/DD    9999
            99999      YY/MM/DD   YY/MM/DD    9999
            99999      YY/MM/DD   YY/MM/DD    9999
            99999      YY/MM/DD   YY/MM/DD    9999
            99999      YY/MM/DD
                            TOTAL ITEMS:  99,999

ENTER ' ' TO CONTINUE OR 'X' TO EXIT: __________
```

BY LOCATION

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTIHSP5          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                  INVENTORY HISTORY SCREEN BY LOCATION

                        OPEN     PROCESS      ITEMS      CLOSE
            LOCATION    DATE       DATE     PROCESSED     DATE
            --------  --------   --------   ---------   --------

            GRIDT     YY/MM/DD   YY/MM/DD     999
            GRIDU     YY/MM/DD   YY/MM/DD    9999
            GRIDW     YY/MM/DD   YY/MM/DD    9999
            GRID1     YY/MM/DD   YY/MM/DD    9999
            GRID2     YY/MM/DD   YY/MM/DD    9999
            GRID3     YY/MM/DD   YY/MM/DD    9999
            GRID4     YY/MM/DD
                            TOTAL ITEMS:  99,999

ENTER ' ' TO CONTINUE OR 'X' TO EXIT: __________
```

Figure 4.5

INVENTORY HISTORY STATUS SCREEN - 3

BY CUSTODIAN

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTIHSP3          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                      INVENTORY HISTORY SCREEN BY DATE

             ACCT        OPEN     PROCESS      ITEMS      CLOSE
            NUMBER       DATE       DATE     PROCESSED     DATE
            ------     --------   --------   ---------   --------

            99999      YY/MM/DD   YY/MM/DD    9999
            99999      YY/MM/DD   YY/MM/DD     999
            99999      YY/MM/DD   YY/MM/DD    9999
            99999      YY/MM/DD   YY/MM/DD    9999
            99999      YY/MM/DD   YY/MM/DD    9999
            99999      YY/MM/DD   YY/MM/DD    9999
            99999      YY/MM/DD
                            TOTAL ITEMS:  99,999

ENTER ' ' TO CONTINUE OR 'X' TO EXIT: __________
```

BY LOCATION

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTIHSP6          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                      INVENTORY HISTORY SCREEN BY DATE

                         OPEN     PROCESS      ITEMS      CLOSE
            LOCATION     DATE       DATE     PROCESSED     DATE
            --------   --------   --------   ---------   --------

            GRIDU      YY/MM/DD   YY/MM/DD    9999
            GRIDT      YY/MM/DD   YY/MM/DD     999
            GRID1      YY/MM/DD   YY/MM/DD    9999
            GRID2      YY/MM/DD   YY/MM/DD    9999
            GRIDW      YY/MM/DD   YY/MM/DD    9999
            GRID3      YY/MM/DD   YY/MM/DD    9999
            GRID4      YY/MM/DD
                            TOTAL ITEMS:  99,999

ENTER ' ' TO CONTINUE OR 'X' TO EXIT: __________
```

Figure 4.6

OVERAGE ITEMS DISPLAY SCREEN

BY CUSTODIAN

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTOIDP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

              BAR CODE OVERAGE ITEMS FOR CUSTODIAN ACCOUNT: XXXXX

  ECN    FLAG  ACCOUNT      DATE      BAR CODE  BAR CODE   SCANNED    SCANNED
               ASSIGNED  INVENTORIED  OPERATOR  UNIT ID      BLDG      ROOM
------- ----  --------  -----------  --------  --------  ----------  -------

G999999 *     NONE      YY/MM/DD     LWA       9999999   9999        999
G999999       NONE      YY/MM/DD     LWA       9999999   9999        999
G999999       NONE      YY/MM/DD     LWA       9999999   9999        999
G999999 *     NONE      YY/MM/DD     LWA       9999999   9999        99A
G999999 *     NONE      YY/MM/DD     KYM       9999999   9999        HALL
0999999 *     NONE      YY/MM/DD     KYM       9999999   9999        999
0999999 *     NONE      YY/MM/DD     LWA       9999999   9999        999

    ENTER NEW ACCOUNT, ' ' TO CONTINUE, OR 'X' TO EXIT: __________
```

BY LOCATION

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTOIDP2          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                BAR CODE OVERAGE ITEMS FOR LOCATION: GRIDU

  ECN    FLAG  LOCATION     DATE      BAR CODE  BAR CODE   SCANNED    SCANNED
               ASSIGNED  INVENTORIED  OPERATOR  UNIT ID      BLDG      ROOM
------- ----  --------  -----------  --------  --------  ----------  -------

XXXXXXX *     NONE      YY/MM/DD     XXX       9999999   9999        999
XXXXXXX       NONE      YY/MM/DD     XXX       9999999   9999        999
XXXXXXX       NONE      YY/MM/DD     XXX       9999999   9999        999
XXXXXXX *     NONE      YY/MM/DD     XXX       9999999   9999        99A
XXXXXXX *     NONE      YY/MM/DD     XXX       9999999   9999        HALL
XXXXXXX *     NONE      YY/MM/DD     XXX       9999999   9999        999
XXXXXXX *     NONE      YY/MM/DD     XXX       9999999   9999        999

    ENTER NEW LOCATION, ' ' TO CONTINUE, OR 'X' TO EXIT: __________
```

Figure 4.7

UNDERAGE ITEMS DISPLAY SCREEN

BY CUSTODIAN

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTUIDP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                INVENTORY UNDERAGE ITEMS FOR CUSTODIAN ACCOUNT: XXXXX

  ECN       DATE                                          ASSIGNED    ASSIGNED
          PROCESSED             ITEM-NAME                   BLDG        ROOM
-------   ---------   ------------------------------   ----------   --------

XXXXXXX   YY/MM/DD    MODEM COMMUNICATION COMPUTER     9999         6-N
XXXXXXX   YY/MM/DD    AIR CONDITIONER                  9999         M1
XXXXXXX   YY/MM/DD    INDICATOR, CARBON MONOXIDE       9999         PMRM
XXXXXXX   YY/MM/DD    AIR CONDITIONER                  9999         M1
XXXXXXX   YY/MM/DD    TYPEWRITER                       9999         01
XXXXXXX   YY/MM/DD    WELDING MACHINE ARC              9999         HIBAY
XXXXXXX   YY/MM/DD    SHEET FEEDER, PRINTER            9999         OFICE

    ENTER NEW ACCOUNT, ' ' TO CONTINUE, OR 'X' TO EXIT: __________
```

BY LOCATION

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTUIDP2          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                INVENTORY UNDERAGE ITEMS FOR LOCATION: GRIDU

  ECN       DATE                                          ASSIGNED    ASSIGNED
          PROCESSED             ITEM-NAME                   BLDG        ROOM
-------   ---------   ------------------------------   ----------   --------

9999999   YY/MM/DD    MODEM COMMUNICATION COMPUTER     9999         6-N
9999999   YY/MM/DD    AIR CONDITIONER                  9999         M1
9999999   YY/MM/DD    INDICATOR, CARBON MONOXIDE       9999         PMRM
9999999   YY/MM/DD    AIR CONDITIONER                  9999         M1
9999999   YY/MM/DD    TYPEWRITER                       9999         01
9999999   YY/MM/DD    WELDING MACHINE ARC              9999         HIBAY
9999999   YY/MM/DD    SHEET FEEDER, PRINTER            9999         OFICE

    ENTER NEW LOCATION, ' ' TO CONTINUE, OR 'X' TO EXIT: __________
```

Figure 4.8

TRANSACTION STATUS DISPLAY SCREEN BY CUSTODIAN

BY CUSTODIAN

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTTSCP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                     TRANSACTION STATUS OF CUSTODIAN: XXXXX

ENTRY REF                          ITEM NAME              TRANS    ECN      DATE
NO         COMMENTS                                        NO              PROC'D
------------------   ------------------------------   -----  -------  --------

  999999999           PRINTER, ADP                      I04    9999999  YY/MM/DD
     INTRACENTER
  999999999           PRINTER, ADP                      I04    9999999  YY/MM/DD
     INTRACENTER
  999999999           CYLINDER STORAGE LIQUID OXYGEN    I14    9999999  YY/MM/DD
  999999999           TRAILER, PERSONNEL                I14    9999999  YY/MM/DD
  999999999           TRANSPORT, MAGNETIC TAPE          I19    9999999  YY/MM/DD
  999999999           COMPUTER, MICRO                   I19    9999999  YY/MM/DD

    ENTER NEW ACCOUNT, ' ' TO CONTINUE, OR 'X' TO EXIT: __________
```

BY LOCATION

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTTSCP2          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                     TRANSACTION STATUS OF LOCATION: GRIDU

ENTRY REF                          ITEM NAME              TRANS    ECN      DATE
NO         COMMENTS                                        NO              PROC'D
------------------   ------------------------------   -----  -------  --------

  999999999           PRINTER, ADP                      I04    9999999  YY/MM/DD
     INTRACENTER
  999999999           PRINTER, ADP                      I04    9999999  YY/MM/DD
     INTRACENTER
  999999999           CYLINDER STORAGE LIQUID OXYGEN    I14    9999999  YY/MM/DD
  999999999           TRAILER, PERSONNEL                I14    9999999  YY/MM/DD
  999999999           TRANSPORT, MAGNETIC TAPE          I19    9999999  YY/MM/DD
  999999999           COMPUTER, MICRO                   I19    9999999  YY/MM/DD

    ENTER NEW LOCATION, ' ' TO CONTINUE, OR 'X' TO EXIT: __________
```

Figure 4.9

TRANSACTION STATUS DISPLAY BY TRANSACTION NUMBER

BY CUSTODIAN

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTTSTP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                        STATUS OF TRANSACTION: I14

ENTRY REF                        ITEM NAME            CUST     ECN      DATE
NO         COMMENTS                                   ACCT             PROC'D
------------------  ------------------------------  -----  -------  --------
  999999999          CYLINDER STORAGE LIQUID OXYGEN  99999  9999999  YY/MM/DD
  999999999          TRAILER, PERSONNEL              99999  9999999  YY/MM/DD
  999999999          MODEL, GALILEO                  99999  9999999  YY/MM/DD
               9999999999}
  999999999          DISPLAY UNIT                    99999  9999999  YY/MM/DD
               9999999999}
  999999999          DISPLAY UNIT                    99999  9999999  YY/MM/DD
  999999999          DISPLAY UNIT                    99999  9999999  YY/MM/DD
  999999999          COMPUTER, MICRO                 99999  9999999  YY/MM/DD

    ENTER NEW TRANS NO., ' ' TO CONTINUE, OR 'X' TO EXIT: __________
```

BY LOCATION

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTTSTP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                        STATUS OF TRANSACTION: I14

ENTRY REF                        ITEM NAME                      ECN      DATE
NO         COMMENTS                                   LOC              PROC'D
------------------  ------------------------------  -----  -------  --------
  999999999          CYLINDER STORAGE LIQUID OXYGEN  GRIDU  9999999  YY/MM/DD
  999999999          TRAILER, PERSONNEL              GRIDU  9999999  YY/MM/DD
  999999999          MODEL, GALILEO                  GRID2  9999999  YY/MM/DD
               9999999999}
  999999999          DISPLAY UNIT                    GRIDW  9999999  YY/MM/DD
               9999999999}
  999999999          DISPLAY UNIT                    GRID1  9999999  YY/MM/DD
  999999999          DISPLAY UNIT                    GRID1  9999999  YY/MM/DD
  999999999          COMPUTER, MICRO                 GRID1  9999999  YY/MM/DD

    ENTER NEW TRANS NO., ' ' TO CONTINUE, OR 'X' TO EXIT: __________
```

Figure 4.10

DISPLAY LOCAL DATA FIELD BY ECN

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTVLDP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -

                      LOCAL DATA FOR INVENTORY DISPLAY

                          LOCAL DATA FOR ECN: 1722998

--------------------------------------------------------------------------------

999999999            99999999999}




         ENTER NEW ECN OR 'X' TO EXIT: __________
```

Figure 4.11

DISPLAY ECN STATUS

BY CUSTODIAN

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTECNP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -


                     INVENTORY STATUS FOR ECN: X999999

          OVERAGE                                  UNDERAGE
--------------------------------------------------------------------------------
CUSTODIAN ACCT: XXXXX                CUSTODIAN ACCT: XXXXX
USER-ID:        XXXXXXXX             USER-ID:        XXXXXXXX
DATE OPENED:    YY/MM/DD             DATE OPENED:    YY/MM/DD
DATE PROCESSED: YY/MM/DD             DATE PROCESSED: YY/MM/DD

ECN IS NOT AN OVERAGE                ECN IS NOT AN UNDERAGE


             ENTER ' ' TO CONTINUE, NEW ECN, OR 'X' TO EXIT: __________
```

BY LOCATION

```
USER-ID: XXXXX        NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTECNP1          (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                           - INSTALLATION NAME -


                     INVENTORY STATUS FOR ECN: X999999

          OVERAGE                                  UNDERAGE
--------------------------------------------------------------------------------
GRID LOCATION:  XXXXX                GRID LOCATION:  XXXXX
USER-ID:        XXXXXXXX             USER-ID:        XXXXXXXX
DATE OPENED:    YY/MM/DD             DATE OPENED:    YY/MM/DD
DATE PROCESSED: YY/MM/DD             DATE PROCESSED: YY/MM/DD

ECN IS NOT AN OVERAGE                ECN IS NOT AN UNDERAGE


             ENTER ' ' TO CONTINUE, NEW ECN, OR 'X' TO EXIT: __________
```

Figure 4.12

5. INVENTORY TRANSACTIONS FUNCTION

5.1 INVENTORY TRANSACTIONS

The NEMS Inventory Transactions Option is designed to allow the user to work-off the overage, underage and equipment location discrepancies through additions, changes deletions, and no changes to the NEMS Equipment File and updates to the Inventory, Bar Code, and Status files in an online environment.

Currently, 45 different transactions (13 add transactions, 14 change transactions, 15 delete transactions, and 3 transactions for no change) are specified. They are used to process various update activities. Each transaction has a formatted screen to collect and edit the information for that activity.

These transactions are grouped conceptually into 4 categories of transactions: transactions to work-off overage discrepancies, transactions to work-off underage discrepancies, transactions to work-off overage or underage discrepancies and transactions to work-off equipment location discrepancies. A transaction to remove the overage or underage discrepancy flag from the Inventory and Bar Code files without updating the Equipment File also exists. The Inventory Discrepancy Work-Off Function is arranged to process each of the four (4) transaction categories separately. If the 'Transaction' Option (4) on the Inventory Main Menu screen is selected, then the system brings up the Inventory Transaction Menu screen which directs you to select one of four transaction categories (Add, Change, Delete, or No Change). If an option is selected, the processing branches to the selected category of transactions until all processing is completed.

Each of the 45 transactions are numbered with an 'I' as a prefix to distinguish between the regular NEMS transactions and the inventory transactions.

5.2 INVENTORY ADD TRANSACTION

Currently 13 different add transactions are processed for working off the 'overage' discrepancies and some 'underage' discrepancies. The transactions are numbered I04 through I21. The inventory add transactions are similar to the NEMS add transactions. Since the Equipment File is updated online by using the online edit update program, each of the 13 transactions is supported by a separate program.

Transaction numbers, transactions and supporting programs for add processing are as follows:

Trans. No.	Add Transaction	Programs

I04	Receipt By Transfer-From NASA Installation	TRNI04P1
I06	Receipt By Transfer-From Contractor	TRNI06P1
I08	Receipt From Lease In	TRNI08P1
I09	Receipt From Loan In	TRNI09P1
I10	Receipt From Fabrication	TRNI10P1
I11	Receipt From Assembly/Disassembly	TRNI11P1
I12	Receipt From Found On Station	TRNI12P1
I13	Receipt From Excess	TRNI13P1
I14	Receipt From Retagging	TRNI14P1 TRNI14P2
I15	Receipt From Return Of Record From Historical File	TRNI15P1
I19	Receipt From Reinstating Item Previously Surveyed	TRNI19P1
I20	Receipt From Borrow In	TRNI20P1
I21	Receipt Resulting From Conversion Of Lease to Purchase	TRNI21P1

5.3 INVENTORY CHANGE TRANSACTIONS

Currently 14 different change transactions are processed to resolve the 'overage' and 'underage' discrepancies. The transactions are numbered I26 through I64, except for I32 through I34. The change transactions are also similar to the NEMS change transactions.

Transaction numbers and supporting programs for change transactions are as follows:

Trans. No.	Change Transaction	Programs
I26	Custodian Account Change	TRNI26P1
I29	Equipment Location Change	TRNI29P1

I38	Borrowed Out	TRNI38P1
I39	Borrowed Out Returned	TRNI39P1
I40	Loan/Lease Out	TRNI40P1
I41	Loan/Lease Out-Returned	TRNI41P1
I42	Loan Pool Out	TRNI42P1
I43	Loan Pool Out-Returned	TRNI43P1
I44	Storage In	TRNI44P1
I45	Storage In-Returned	TRNI45P1
I52	Excess Equipment Turn-In By Custodian	TRNI52P1
I56	Repair Update	TRNI56P1
I57	Off-Site For Repair	TRNI57P1
I64	Local Data Update	TRNI64P1

5.4 INVENTORY DELETE TRANSACTIONS

Currently 15 different delete transactions are processed to resolve the 'underage' discrepancies. The transactions are numbered I65 through I87. The delete transactions of Inventory are similar to the NEMS delete transactions.

The transaction numbers and supporting programs for delete transactions are as follows:

Trans. No.	Delete Transaction	Programs
I65	Transfer To Another NASA Installation	TRNI65P1
I66	Transfer To Other Government Agency	TRNI66P1
I67	Transfer Of GFE To A Contractor	TRNI67P1
I69	Lease In-Returned	TRNI69P1
I70	Loan In-Returned	TRNI70P1
I71	Survey (Missing Equipment)	TRNI71P1

I72	Decontrol (Removal Of Tag)	TRNI72P1
I73	Deletes Resulting From Assembly/Disassembly	TRNI73P1
I74	Delete From Retag	TRNI74P1
I75	Borrow In Returned	TRNI75P1
I80	Disposal Of NASA Held Equipment (Condition Code More Than 7) By Custodian	TRNI80P1
I81	Disposal Of NASA Held Equipment By NEMS Reutilization Coordinator	TRNI81P1
I85	Delete Resulting From Trade-In	TRNI85P1
I86	Transfer To Real Property	TRNI86P1
I87	Delete From Conversion Of Lease To Purchase	TRNI87P1

5.5 INVENTORY NO CHANGE TRANSACTIONS

Currently 3 different 'no change' transactions are processed to resolve 'overage' and 'underage' discrepancies. These transactions are numbered I32 through I34. The no change transactions are special transactions. They do not update the Equipment File. Only the discrepancy flags are removed from the Inventory and Bar Code files. The 'no change' transactions are used when an item has NEMS transactions pending at the time of inventory and appears as a missing item on the Inventory File, or when an item is in the process of going out on loan, repair, or calibration. Such discrepancies are processed through the inventory 'no change' transactions.

The transaction numbers and supporting program names for the 'no change' transactions are as follows:

Trans. No.	No Change Transactions	Programs
I32	Other Center-Transfer Requested	TRNI32P1
I33	Contractor-Transfer Requested	TRNI33P1
I34	Inventory Update-No Change To Equipment File	TRNI34P1

6. INVENTORY REPORTS FUNCTION

6.1 REPORT SELECTION OPTIONS

Report generating functions of the report selection function are fulfilled through online processing and batch processing. The process of scheduling or requesting reports is performed through the online portion of processing which is carried out usually in the day, and the process of Job Control Language (JCL) generation and execution of jobs for reports is performed through the batch portion of processing which is run at night.

The report selection function allows the user to control the processing of inventory reports.

The Inventory Report Selection Menu screen displays 3 options. They are:

(1) Select On-Request Reports

(2) Alter Currently Scheduled Jobs

(3) Change Standard Report Distribution

(1) Select On-Request Reports

Please refer to NEMS Operations Guide.

(2) Alter Currently Scheduled Reports

Please refer to NEMS Operations Guide.

(3) Change Standard Report Distribution

Please refer to NEMS Operations Guide.

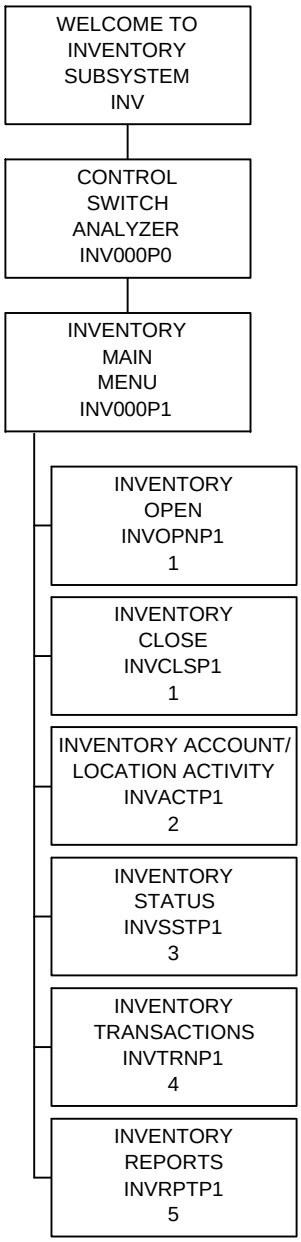
APPENDIX A - ACRONYMS

ADABAS	Adaptable Data Base
ADP	Automated Data Processing
DBA	Data Base Administrator
DBMS	Data Base Management System
ECN	Equipment Control Number
ID	Identification
ISN	Internal System Numbers
JCL	Job Control Language
NASA	National Aeronautics and Space Administration
NEMS	NASA Equipment Management System
PBCR	Portable Bar Code Reader
PC	Personal Computer
USERID	User Identification

APPENDIX B - NEMS INVENTORY SUBSYSTEM SYSTEM FLOWCHARTS

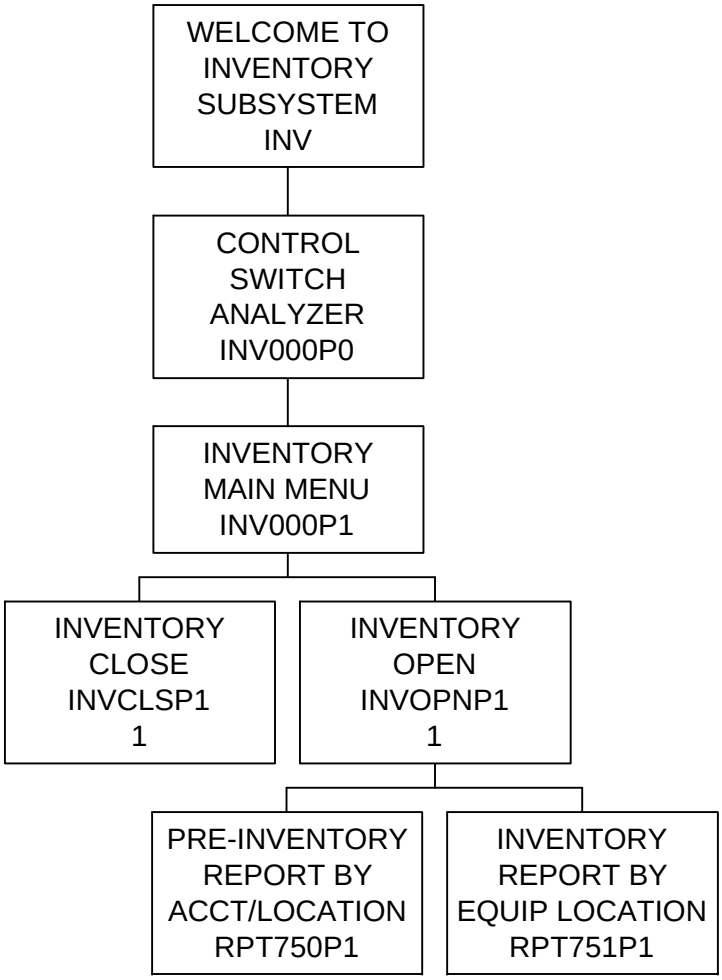
NEMS Inventory

Subsystem



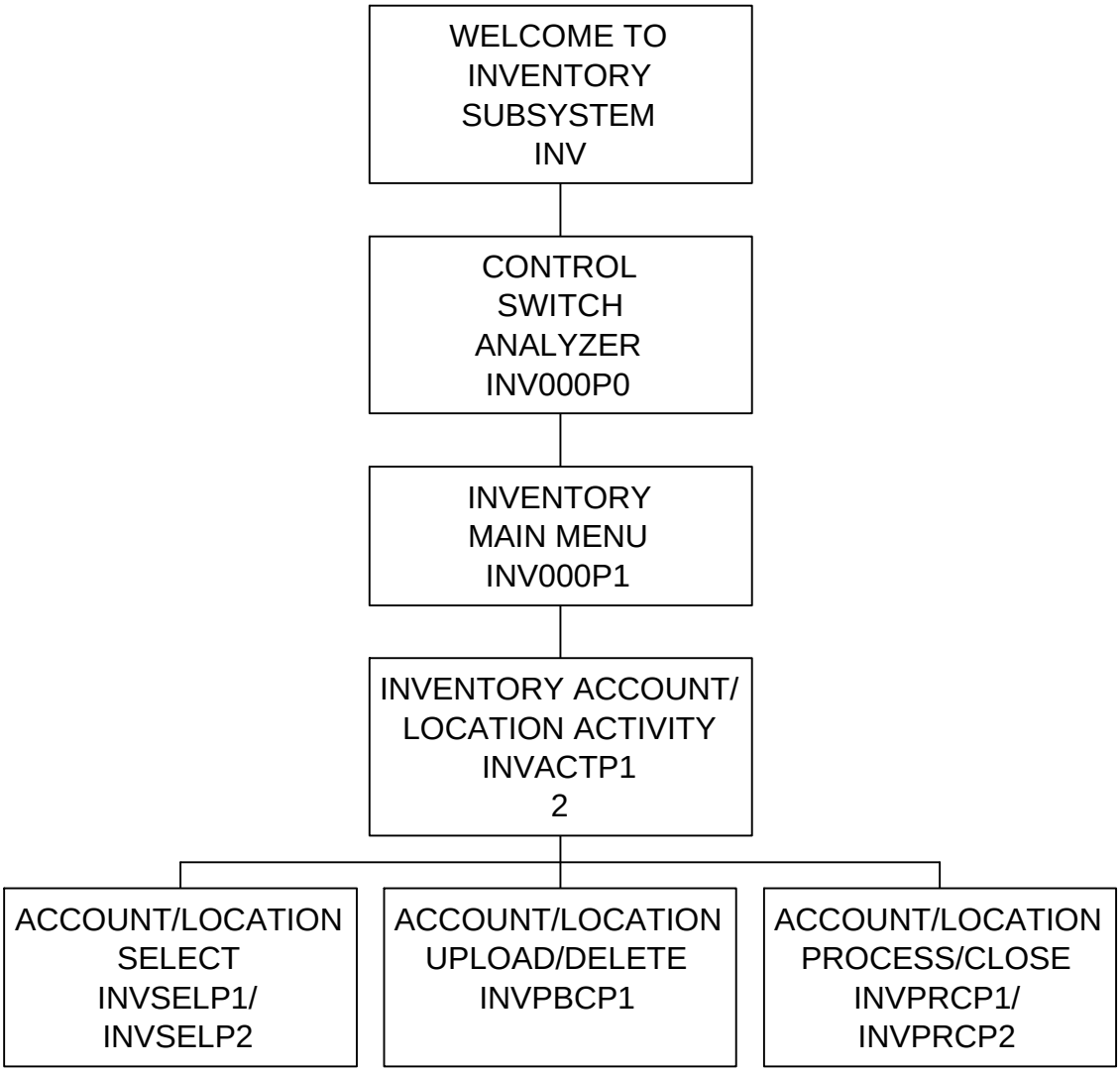
NEMS Inventory

Subsystem



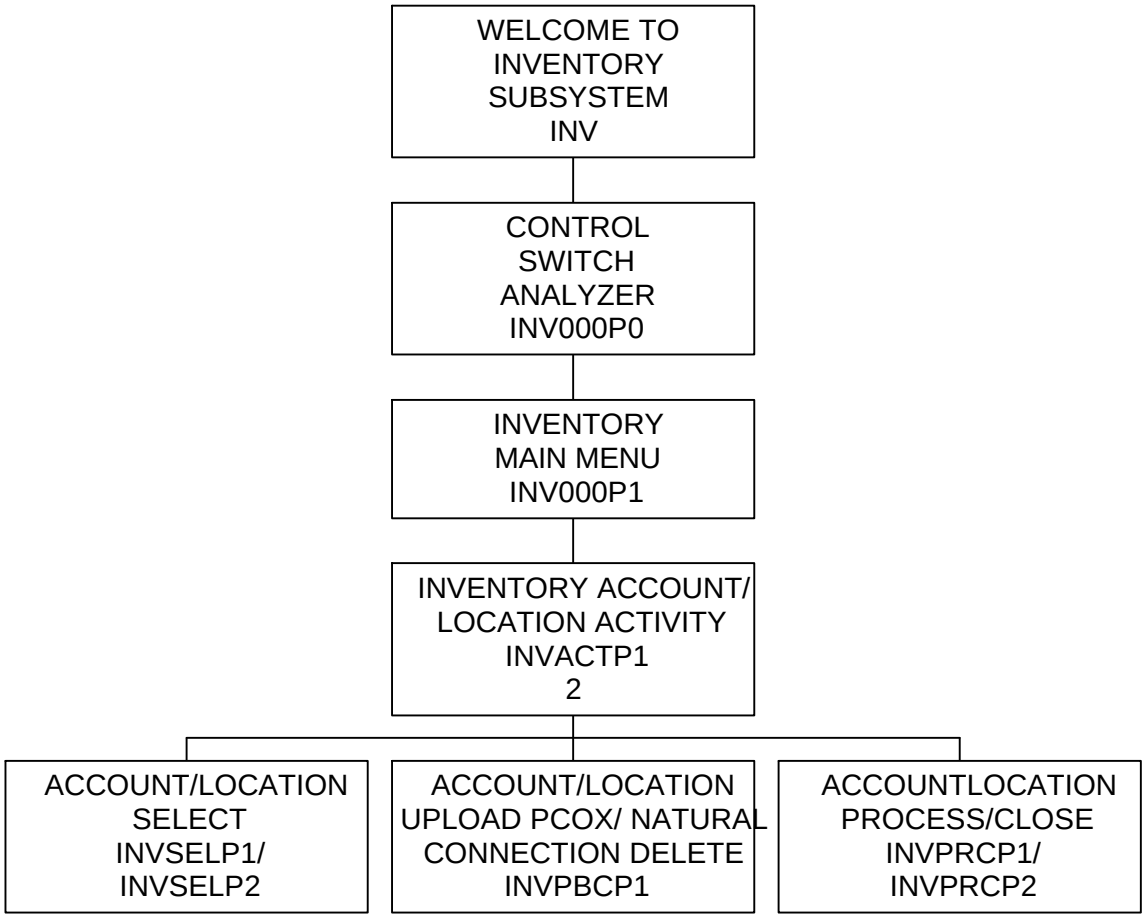
NEMS Inventory

Subsystem

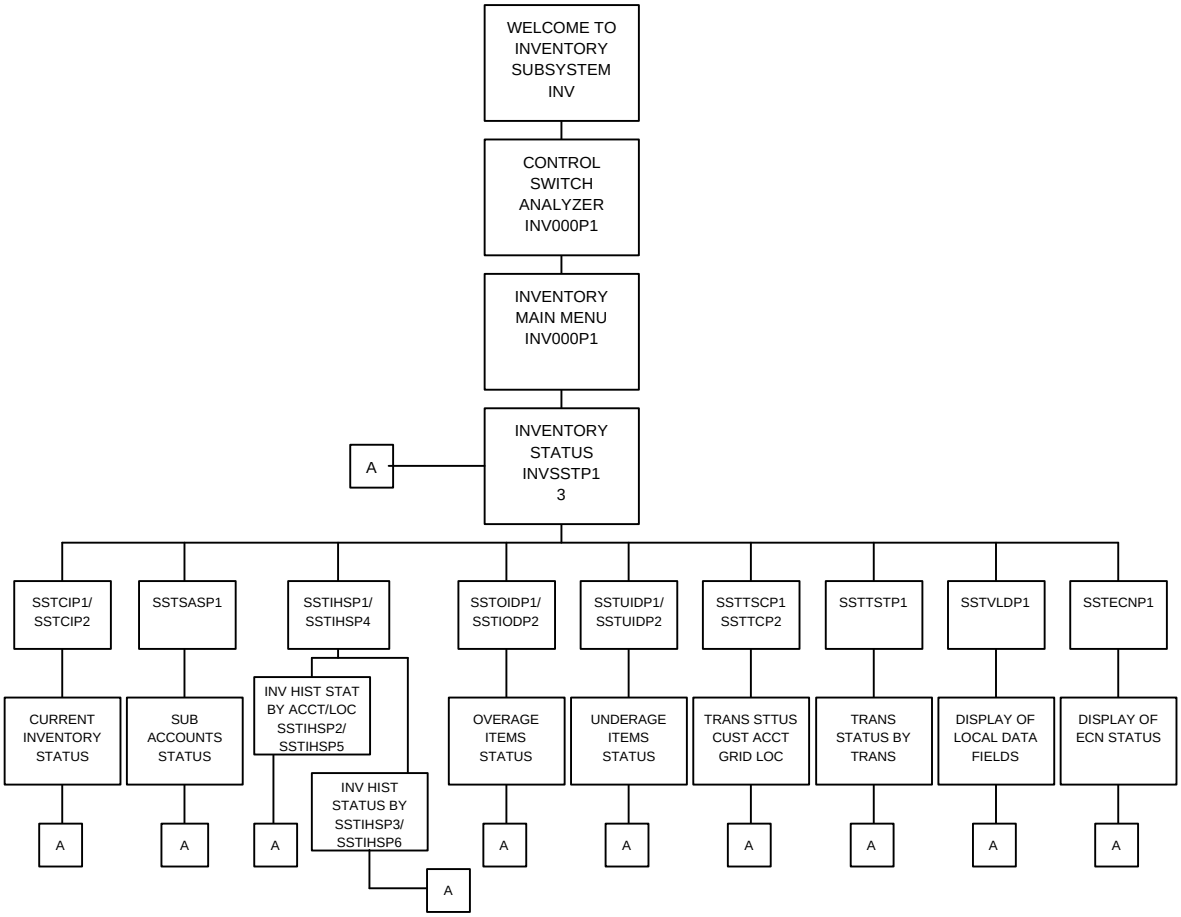


NEMS Inventory

Subsystem

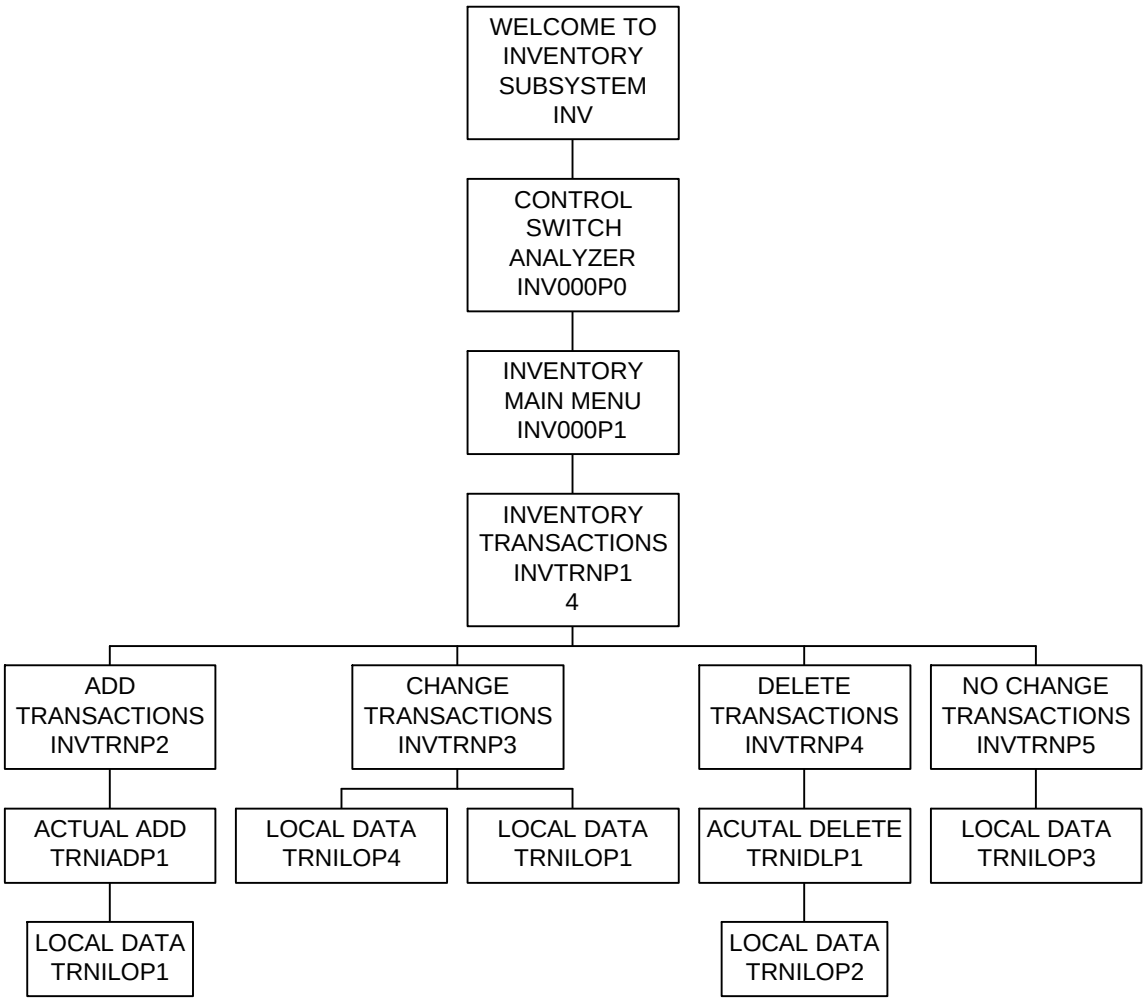


NEMS Inventory Subsystem



NEMS Inventory

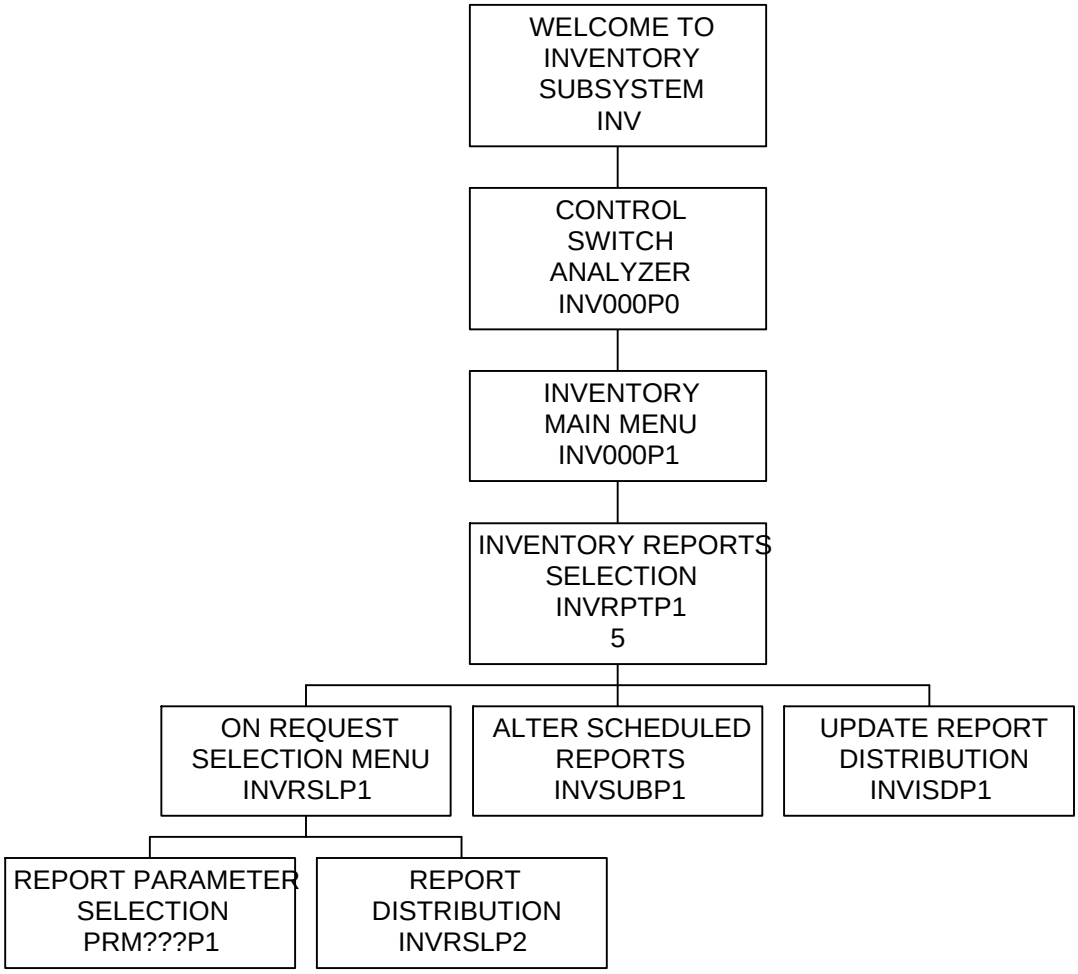
Subsystem



	INVENTORY ADD TRANSACTIONS
TRNI04P1	RECEIPT BY TRANSFER - FROM NASA INSTALLATION
TRNI06P1	RECEIPT BY TRANSFER - FROM CONTRACTOR
TRNI08P1	RECEIPT FROM LEASE IN
TRNI09P1	RECEIPT FROM LOAN IN
TRNI10P1	RECEIPT FROM FABRICATION
TRNI11P1	RECEIPT FROM ASSEMBLY/DISASSEMBLY
TRNI12P1	RECEIPT FROM FOUND ON STATION
TRNI13P1	RECEIPT FROM EXCESS
TRNI14P1,2	RECEIPT FROM RETAGGING
TRNI15P1	RECEIPT FROM RETURN OF RECORD FROM HISTORICAL FILE
TRNI19P1	RECEIPT FROM REINSTATING ITEM PREVIOUSLY SURVEYED
TRNI20P1	RECEIPT FROM BORROW IN
TRM121P1	RECEIPT RESULTING FROM CONVERSION OF LEASE TO PURCHASE
	INVENTORY CHANGE TRANSACTIONS
TRNI26P1	CUSTODIAN ACCOUNT CHANGE
TRNI29P1	EQUIPMENT LOCATION CHANGE
TRNI38P1	BORROWED OUT
TRNI39P1	BORROWED OUT RETURNED
TRNI40P1	LOAN/LEASE OUT
TRNI41P1	LOAN/LEASE OUT RETURNED
TRNI42P1	LOAN POOL OUT
TRNI43P1	LOAN POOL OUT RETURNED
TRNI44P1	STORAGE IN
TRNI45P1	STORAGE IN - RETURNED
TRNI52P1	EXCESS EQUIPMENT TURN-IN BY CUSTODIAN
TRNI56P1	REPAIR UPDATE
TRNI57P1	OFF-SITE FOR REPAIR
TRNI64P1	LOCAL DATA CHANGE
	INVENTORY DELETE TRANSACTIONS
TRNI65P1	TRANSFER TO ANOTHER NASA INSTALLATION
TRNI66P1	TRANSFER TO ANOTHER GOV'T. AGENCY
TRNI67P1	TRANSFER OF GFE TO A CONTRACTOR
TRNI69P1	LEASE IN - RETURNED
TRNI70P1	LOAN IN - RETURNED
TRNI71P1	SURVEY (MISSING EQUIPMENT)
TRNI72P1	DECONTROL (REMOVAL OF TAG)
TRNI73P1	DELETES RESULTING FROM ASSM/DISASSM
TRNI74P1	DELETE FROM RETAG
TRNI75P1	BORROW IN RETURNED
TRNI80P1	DISPOSAL OF NASA HELD EQUIP BY CUST
TRNI81P1	DISPOSAL OF NASA HELD EQUIP BY EVS
TRNI85P1	DELETE FROM TRADE-IN
TRNI86P1	TRANSFER TO REAL PROPERTY
TRNI87P1	DELETE RESULTING FROM CONVERSION OF LEASE TO PURCHASE
	INVENTORY NO CHANGE TRANSACTIONS
TRNI32P1	OTHER CENTER - TRANSFER REQUEST
TRNI33P1	CONTRACTOR - TRANSFER REQUESTED
TRNI34P1	INVENTORY UPDATE - NO EQUIP CHANGE

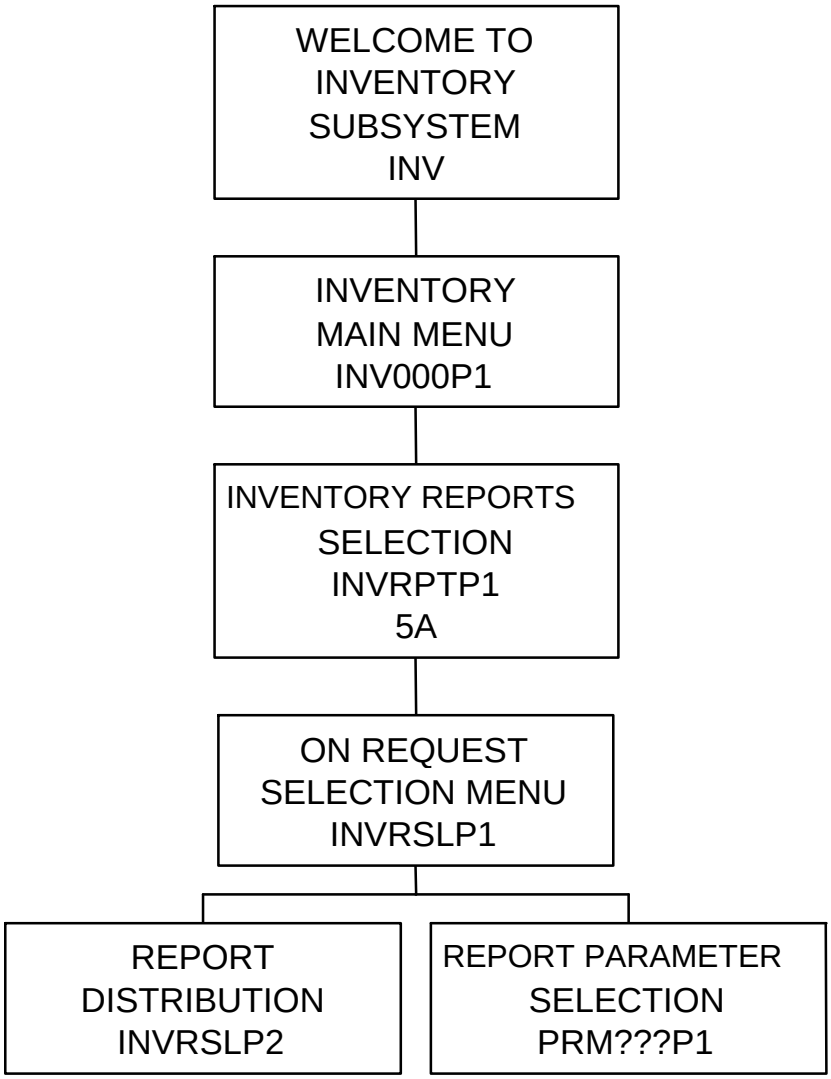
NEMS Inventory

Subsystem



NEMS Inventory

Subsystem



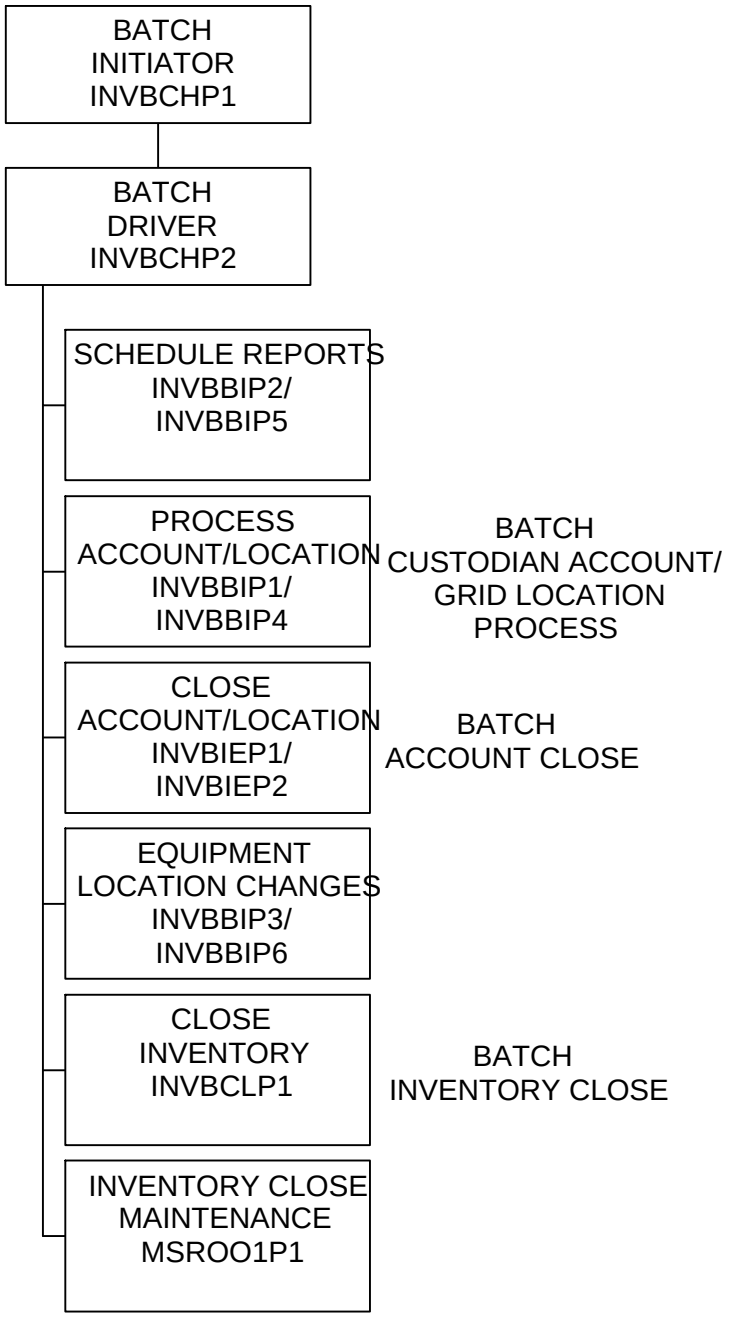
NEMS Inventory

Subsystem

PARAMETER	REPORT	REPORT
PRM750P1	RPT750P1, 2	PRE-INVENTORY PROPERTY SUMMARY BY CUSTODIAN ACCOUNT/GRID LOCATION
PRM751P1	RPT751P1, 2	PRE-INVENTORY PROPERTY SUMMARY BY EQUIP LOCATION
PRM752P1	RPT752P1	INVENTORY TRANSACTION STATISTICAL SUMMARY
PRM753P1	RPT753P1, 2	CUSTODIAN ACCOUNT/GRID LOCATION INVENTORY STATISTICAL REPORT
PRM754P1	RPT754P1	ITEMS HELD FOR CENTERWIDE ACCOUNT REPORT
PRM760P1	RPT760P1, 2	INVENTORY UNDERAGE DISCREPANCY
PRM761P1	RPT761P1, 2	INVENTORY OVERAGE DISCREPANCY
PRM762P1	RPT762P1, 2	INVENTORY EQUIPMENT LOCATION CHANGE
PRM763P1	RPT763P1, 2	INVENTORY MATCHED ITEMS
PRM764P1	RPT764P1, 2	BAR-CODE FILE DISPLAY BY CUSTODIAN ACCOUNT/ GRID LOCATION
PRM765P1	RPT765P1, 2	BAR-CODE FILE DISPLAY BY CUSTODIAN ACCOUNT/GRID LOCATION SORTED BY ECN
PRM766P1	RPT766P1, 2	POST INVENTORY CUSTODIAN ACCOUNT/GROD LOCATION PROPERTY
	RPT767P1, 2	INVENTORY HISTORY REPORT
PRM768P1	RPT768P1	INVENTORY DAILY TRANSACTION REGISTER
PRM769P1	RPT769P1, 2	INVENTORY EQUIPMENT LOCATION NOT CHANGED
	RPT770P1	TRIENNIAL INVENTORY CLOSE REPORT
PRM771P1	RPT771P1, 2	RECORDS NOT INVENTORIED REPORT

NEMS Inventory

Subsystem



INVENTORY REPORT SELECTION REQUESTED THROUGH NEMS LIST OF PROGRAMS

REPORT	PARAMETER	FUNCTION
RPT750P1	PRM750P1	PRE-INVENTORY PROPERTY SUMMARY BY CUST ACCOUNT
RPT751P1	PRM751P1	PRE-INVENTORY PROPERTY SUMMARY BY LOCATION
RPT752P1	PRM752P1	INVENTORY TRANSACTION STATISTICAL SUMMARY
RPT753P1	PRM753P1	CUSTODIAN INVENTORY STATISTICAL SUMMARY
RPT754P1	PRM754P1	ITEMS HELD FOR CENTERWIDE ACCOUNT REPORT
RPT755P1	PRM755P1	ITEMS HELD FOR SUB ACCOUNT REPORT
RPT760P1	PRM760P1	INVENTORY UNDERAGE DISCREPANCY REPORT
RPT761P1	PRM761P1	INVENTORY OVERAGE DISCREPANCY REPORT
RPT762P1	PRM762P1	INVENTORY LOCATION CHANGE REPORT
RPT763P1	PRM763P1	INVENTORY MATCHED ITEMS REPORT
RPT764P1	PRM764P1	BAR CODE FILE DISPLAY BY CUSTODIAN
RPT765P1	PRM765P1	BAR CODE FILE DISPLAY BY CUSTODIAN SORTED BY ECN
RPT766P1	PRM766P1	POST INVENTORY CUSTODIAN ACCOUNT PROPERTY PREPORT
RPT767P1		INVENTORY HISTORY REPORT
RPT768P1	PRM768P1	INVENTORY DAILY TRANSACTION REGISTER
RPT769P1	PRM769P1	INVENTORY LOCATION NOT CHANGED REPORT
RPT771P1	PRM771P1	RECORDS NOT INVENTORIED REPORT

APPENDIX C - DATABASE FILE LAYOUT

```
DB 0    File 188  - NEMS-EQUIPMENT                  Default Sequence


TYL  DB  Name                           F Leng  S D  Remarks
---  --  ------------------------------ - ----  - -  ----------------------
  1  AA  ECN                            A    7    D
         HD=ECN
G 1  AB  INST-NO
         HD=INST/ NO
  2  A1  INST-ACCT                      N  2.0
         HD=INST/ACCT
  2  A2  INST-SUB                       N  2.0    D
         HD=INST/SUB
  1  AC  ITEM-NAME                      A   30  N D
         HD=ITEM NAME
  1  HA  ITEM-NAME-STD                  A    1  N
         HD=ITEM/NAME/STD
  1  AD  MFG-CODE                       A    5    D
         HD=MFG/CODE
  1  AE  MFG-MODEL-NO                   A   20  N D
         HD=MFG MODEL NO
  1  AF  MFG-SERIAL-NO                  A   20  N D
         HD=MFG SERIAL NO
  1  AG  YEAR-MFG                       A    4
         HD=YEAR/MFG
  1  AH  NATIONAL-STOCK-NO              A   13  N D
         HD=NATIONAL/STOCK NO
  1  AI  COST                           N  9.2  N
         HD=COST
  1  AJ  CAP-SENS-CODE                  A    1    D
```

```
       HD=CAP/SENS/CODE
1  AK  AVAIL-STATUS-CODE              A    1    D
       HD=AVAIL/STATUS/CODE
1  AL  DATE-STATUS-CODED              N  6.0  N
       HD=DATE/STATUS/CODED
       EM=Z99/99/99
1  AM  DATE-NASA-ACQ                  N  8.0    D
       HD=DATE/NASA ACQ
       EM=Z99/99/99
1  AO  DATE-INST-ACQ                  N  8.0    D
       HD=DATE/INST ACQ
       EM=Z99/99/99
1  AP  ACQ-TRANS-NO                   A    3    D
       HD=ACQ/TRANS/NO
1  AQ  ACQ-ENTRY-REF-NO               N 10.0
       HD=ACQ ENTRY/REF NO
1  AR  ACQ-DOC-CNTL-NO                A   11  N D
       HD=ACQ DOC/CONTROL NO
1  HB  LAST-TRANS-NO                  A    3    D
       HD=LAST/TRANS/NO
1  HC  LAST-ENTRY-REF-NO              N 10.0
       HD=LAST ENTRY/REF NO
1  AU  CUST-ACCT-NO                   A    5  N D
       HD=CUST/ACCT/NO
1  AV  CUST-NO                        A    6  N D
       HD=CUST/NO
1  AW  CUST-ORG-CODE                  A    7  N D
       HD=CUST/ORG/CODE
1  AX  USER-NO                        A    6  N D
       HD=USER/NO
```

DB 0 File 188 - NEMS-EQUIPMENT Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	AY	EQUIP-ZIP-CODE	A	5		D	
		HD=EQUIP/ZIP/CODE					
1	AZ	EQUIP-BUILDING	A	10	N	D	
		HD=EQUIP/BLDG					
1	BA	EQUIP-ROOM	A	5	N		
		HD=EQUIP/ROOM					
1	BB	EQUIP-TYPE-ACCT	N	4.0	N	D	
		HD=EQUIP/TYPE/ACCT					
1	BC	DATE-INVENTORIED	N	8.0	N	D	
		HD=DATE/INVENTORIED					
		EM=Z99/99/99					
1	BD	OLD-TAG-NO	A	8	N	D	
		HD=OLD/TAG NO					
1	BE	DATE-AVAILABLE	N	8.0	N	D	
		HD=DATE/AVAILABLE					
		EM=Z99/99/99					
1	BF	EST-COST-CODE	A	1			
		HD=EST/COST/CODE					
1	BG	CONDITION-CODE	A	2			
		HD=COND/CODE					
1	BH	UNIQUE-EQUIP-NO	A	8	N	D	
		HD=UNIQUE/EQUIP NO					
1	BI	HAZ-MATERIAL-CODE	A	1			
		HD=HAZ/MAT/CODE					
1	BJ	PREC-METAL-CODE	A	1			
		HD=PREC/METAL/CODE					

```
1  BK  DATE-LAST-CALIBRATED            N  8.0  N
       HD=DATE LAST/CALIBRATED
       EM=Z99/99/99
1  BL  DATE-CALIBRATION-DUE            N  8.0  N D
       HD=DATE/CAL/DUE
       EM=Z99/99/99
1  BM  DATE-WRNTY-EXP-MATERIAL         N  6.0  N
       HD=DATE WRNTY/EXP-MAT
       EM=99/99
1  BN  DATE-WRNTY-EXP-LABOR            N  6.0  N
       HD=DATE WRNTY/EXP-LABOR
       EM=99/99
1  BO  OTHER-AGENCY-NO                 N  2.0  N
       HD=OTHER/AGENCY/NO
1  BP  CONTRACTOR-TAG-NO               A   13  N D
       HD=CONTRACTOR/TAG NO
1  BQ  CONTRACTOR-ACCT                 A    9  N D
       HD=CONTRACTOR/ACCT
1  BR  L-L-DOC-NO                      A    6  N D
       HD=LOAN/LEASE/DOC NO
1  BS  DATE-L-L-B-IN-DUE               N  8.0  N
       HD=LOAN LEASE/BORROW/IN DUE
       EM=Z99/99/99
1  BT  DATE-LOANED-OUT                 N  8.0  N D
       HD=DATE/LOANED/OUT
       EM=Z99/99/99
1  BU  DATE-LEASED-OUT                 N  8.0  N
       HD=DATE/LEASED/OUT
       EM=Z99/99/99
```

```
 DB 0    File 188  - NEMS-EQUIPMENT                  Default Sequence


TYL  DB  Name                           F Leng  S D  Remarks
---  --  ------------------------------ - ----  - -  ----------------------
  1  BV  DATE-SHIPPED-OTHER-INST        N  8.0  N
         HD=DATE/SHIPPED/OTHER INST
         EM=Z99/99/99
  1  BW  DATE-BORROWED-OUT              N  8.0  N D
         HD=DATE/BORROWED/OUT
         EM=Z99/99/99
  1  BX  DATE-STORAGE-DUE               N  8.0  N
         HD=DATE/STORAGE/DUE
         EM=Z99/99/99
  1  BZ  DATE-STORED-IN                 N  8.0  N D
         HD=DATE/STORED/IN
         EM=Z99/99/99
  1  CA  DATE-L-L-B-OUT-DUE             N  8.0  N D
         HD=LOAN LEASE/BORROW/OUT DUE
         EM=Z99/99/99
  1  HD  DATE-REPAIR-RETURN-DUE         N  8.0  N D
         HD=DATE/REPAIR/DUE
         EM=Z99/99/99
  1  CB  EQUIP-IN-CODE                  A    1    D
         HD=EQUIP/IN/CODE
  1  CD  EQUIP-OUT-CODE                 A    1    D
         HD=EQUIP/OUT/CODE
  1  CE  EQUIP-MGMT-CODE                A    1    D
         HD=EQUIP/MGMT/CODE
  1  CF  IDLE-EQUIP-CODE                A    1
         HD=IDLE/EQUIP/CODE
```

```
1  CG  LABOR-COST-LAST-SERV          N  6.0  N
       HD=LABOR/COST/LAST
       EM=ZZZZZ9
1  CH  LABOR-COST-YTD                N  6.0  N
       HD=LABOR/COST/YTD
       EM=ZZZZZ9
1  CI  LABOR-COST-TD                 N  7.0  N
       HD=LABOR/COST/TD
       EM=ZZZZZZ9
1  CJ  PARTS-COST-LAST-SERV          N  6.0  N
       HD=PARTS/COST/LAST
       EM=ZZZZZ9
1  CK  PARTS-COST-YTD                N  6.0  N
       HD=PARTS/COST/YTD
       EM=ZZZZZ9
1  CL  PARTS-COST-TD                 N  7.0  N
       HD=PARTS/COST/TD
       EM=ZZZZZZ9
1  CM  NO-OF-TIMES-SERV              N  3.0  N
       HD=NO OF/TIMES/SERV
       EM=ZZ9
1  CN  DATE-LAST-SERV                N  8.0  N
       HD=DATE/LAST/SERVICED
       EM=Z99/99/99
1  CO  CONTRACTOR-CONVEYOR           A    9  N
       HD=CONTRACTOR/CONVEYOR
1  CP  INST-CONVEYOR                 N  4.0  N
       HD=INST/CONVEYOR
```

```
 DB 0    File 188  - NEMS-EQUIPMENT                  Default Sequence


TYL  DB  Name                           F Leng  S D  Remarks
---  --  ------------------------------ - ----  - -  ----------------------
  1  CQ  CONTRACTOR-RECEIVER            A    9  N
         HD=CONTRACTOR/RECEIVER
  1  CR  INST-RECEIVER                  N  4.0  N
         HD=INST/RECEIVER
  1  CS  FREEZE-NO                      N 10.0    D
         HD=FREEZE NO
  1  CT  PREVIOUS-ECN                   A    7  N
         HD=PREVIOUS/ECN
  1  HE  PREV-CUST-ACCT-NO              A    5  N
         HD=PREV/CUST/ACCT
  1  CU  MFG-NAME                       A   30  N
         HD=MANUFACTURER NAME
M 1  CW  ENTRY-REF-NO                   N 10.0  N
         HD=ENTRY/REF NO
M 1  CX  TRANS-NO                       A    3  N
         HD=TRANS/NO
  1  CY  LOCAL-DATA                     A   70  N
         HD=LOCAL/DATA
  1  PA  EXCESS-CASE-NUMBER             A   14  N D
  1  SA  FED-SUPPLY-GROUP               A    2  N S
  1  GJ  LOCATION                       A    5    D
M 1  DA  PROP-TRNSCTN-ERN-NMBR          N 12.0  N
         HD=NPDMS/ENTRY/REF NO
M 1  DB  PROP-TRNSCTN-ID                A    4  N
         HD=NPDMS/TRANS/id
```

```
 DB 0    File 190  - NEMS-HISTORY                    Default Sequence


TYL  DB  Name                           F Leng  S D  Remarks
---  --  ------------------------------ - ----  - -  ----------------------
  1  KE  HISTORY-KEY                    A   10    D
         HD=HISTORY/KEY
  1  AA  ECN                            A    7    D
         HD=ECN
G 1  AB  INST-NO
         HD=INST/NO
  2  A1  INST-ACCT                      N  2.0
         HD=INST/ACCT
  2  A2  INST-SUB                       N  2.0    D
         HD=INST/SUB
  1  AC  ITEM-NAME                      A   30  N D
         HD=ITEM NAME
  1  HA  ITEM-NAME-STD                  A    1  N
         HD=ITEM/NAME/STD
  1  AD  MFG-CODE                       A    5    D
         HD=MFG/CODE
  1  AE  MFG-MODEL-NO                   A   20  N D
         HD=MFG MODEL NO
  1  AF  MFG-SERIAL-NO                  A   20  N D
         HD=MFG SERIAL NO
  1  AG  YEAR-MFG                       A    4    D
         HD=YEAR/MFG
  1  AH  NATIONAL-STOCK-NO              A   13  N
         HD=NATIONAL/STOCK NO
  1  AI  COST                           N  9.2  N
```

```
       HD=COST
1  AJ  CAP-SENS-CODE                A    1
       HD=CAP/SENS/CODE
1  AK  AVAIL-STATUS-CODE            A    1
       HD=AVAIL/STATUS/CODE
1  AL  DATE-STATUS-CODED            N  8.0  N
       HD=DATE/STATUS/CODED
       EM=Z(9)99/99/99
1  AM  DATE-NASA-ACQ                N  8.0
       HD=DATE/NASA ACQ
       EM=Z(9)99/99/99
1  AO  DATE-INST-ACQ                N  8.0
       HD=DATE/INST ACQ
       EM=Z(9)99/99/99
1  AP  ACQ-TRANS-NO                 A    3    D
       HD=ACQ/TRANS/NO
1  AQ  ACQ-ENTRY-REF-NO             N 10.0
       HD=ACQ ENTRY/REF NO
1  AR  ACQ-DOC-CNTL-NO              A   11  N D
       HD=ACQ DOC/CONTROL NO
1  HB  LAST-TRANS-NO                A    3    D
       HD=LAST/TRANS/NO
1  HC  LAST-ENTRY-REF-NO            N 10.0
       HD=LAST ENTRY/REF NO
1  AU  CUST-ACCT-NO                 A    5  N
       HD=CUST/ACCT/NO
1  AV  CUST-NO                      A    6  N
       HD=CUST/NO
1  AW  CUST-ORG-CODE                A    7  N
       HD=CUST/ORG/CODE
```

```
 DB 0    File 190  - NEMS-HISTORY                    Default Sequence


TYL  DB  Name                           F Leng  S D  Remarks

---  --  ------------------------------ - ----  - -  ----------------------
  1  AX  USER-NO                        A    6  N
         HD=USER/NO
  1  AY  EQUIP-ZIP-CODE                 A    5
         HD=EQUIP/ZIP/CODE
  1  AZ  EQUIP-BUILDING                 A   10  N
         HD=EQUIP/BLDG
  1  BA  EQUIP-ROOM                     A    5  N
         HD=EQUIP/ROOM
  1  BB  EQUIP-TYPE-ACCT                N  4.0  N
         HD=EQUIP/TYPE/ACCT
  1  BC  DATE-INVENTORIED               N  8.0  N D
         HD=DATE/INVENTORIED
         EM=Z(9)99/99/99
  1  BD  OLD-TAG-NO                     A    8  N D
         HD=OLD/TAG NO
  1  BE  DATE-AVAILABLE                 N  8.0  N
         HD=DATE/AVAILABLE
         EM=Z(9)99/99/99
  1  BF  EST-COST-CODE                  A    1
         HD=EST/COST/CODE
  1  BG  CONDITION-CODE                 A    2
         HD=COND/CODE
  1  BH  UNIQUE-EQUIP-NO                A    8  N D
         HD=UNIQUE/EQUIP NO
  1  BI  HAZ-MATERIAL-CODE              A    1
         HD=HAZ/MAT/CODE
```

```
1  BJ  PREC-METAL-CODE                A    1

       HD=PREC/METAL/CODE

1  BK  DATE-LAST-CALIBRATED           N  8.0  N

       HD=DATE LAST/CALIBRATED

       EM=Z(9)99/99/99

1  BL  DATE-CALIBRATION-DUE           N  8.0  N

       HD=DATE/CAL/DUE

       EM=Z(9)99/99/99

1  BM  DATE-WRNTY-EXP-MATERIAL        N  6.0  N

       HD=DATE WRNTY/EXP-MAT

       EM=99/99

1  BN  DATE-WRNTY-EXP-LABOR           N  6.0  N

       HD=DATE WRNTY/EXP-LABOR

       EM=99/99

1  BO  OTHER-AGENCY-NO                N  2.0  N

       HD=OTHER/AGENCY/NO

1  BP  CONTRACTOR-TAG-NO              A   13  N

       HD=CONTRACTOR/TAG NO

1  BQ  CONTRACTOR-ACCT                A    9  N D

       HD=CONTRACTOR/ACCT

1  BR  L-L-DOC-NO                     A    6  N D

       HD=LOAN/LEASE/DOC NO

1  BS  DATE-L-L-B-IN-DUE              N  8.0  N

       HD=LOANLEASE/BORROW/IN DUE

       EM=Z(9)99/99/99

1  BT  DATE-LOANED-OUT                N  8.0  N

       HD=DATE/LOANED/OUT

       EM=Z(9)99/99/99
```

```
 DB 0    File 190  - NEMS-HISTORY                    Default Sequence


TYL  DB  Name                           F Leng  S D  Remarks

---  --  ------------------------------ - ----  - -  ----------------------
  1  BU  DATE-LEASED-OUT                N  8.0  N
         HD=DATE/LEASED/OUT
         EM=Z(9)99/99/99
  1  BV  DATE-SHIPPED-OTHER-INST        N  8.0  N
         HD=DATE/SHIPPED/OTHER INST
         EM=Z(9)99/99/99
  1  BW  DATE-BORROWED-OUT              N  8.0  N
         HD=DATE/BORROWED/OUT
         EM=Z(9)99/99/99
  1  BX  DATE-STORAGE-DUE               N  8.0  N
         HD=DATE/STORAGE/DUE
         EM=Z(9)99/99/99
  1  BZ  DATE-STORED-IN                 N  8.0  N
         HD=DATE/STORED/IN
         EM=Z(9)99/99/99
  1  CA  DATE-L-L-B-OUT-DUE             N  8.0  N
         HD=LOAN LEASE/BORROW/OUT DUE
         EM=Z(9)99/99/99
  1  HD  DATE-REPAIR-RETURN-DUE         N  8.0  N
         HD=DATE/REPAIR/DUE
         EM=Z(9)99/99/99
  1  CB  EQUIP-IN-CODE                  A    1
         HD=EQUIP/IN/CODE
  1  CD  EQUIP-OUT-CODE                 A    1
         HD=EQUIP/OUT/CODE
  1  CE  EQUIP-MGMT-CODE                A    1
```

```
       HD=EQUIP/MGMT/CODE
1  CF  IDLE-EQUIP-CODE                A    1
       HD=IDLE/EQUIP/CODE
1  CG  LABOR-COST-LAST-SERV           N  6.0  N
       HD=LABOR/COST/LAST
1  CH  LABOR-COST-YTD                 N  6.0  N
       HD=LABOR/COST/YTD
1  CI  LABOR-COST-TD                  N  7.0  N
       HD=LABOR/COST/TD
1  CJ  PARTS-COST-LAST-SERV           N  6.0  N
       HD=PARTS/COST/LAST
1  CK  PARTS-COST-YTD                 N  6.0  N
       HD=PARTS/COST/YTD
1  CL  PARTS-COST-TD                  N  7.0  N
       HD=PARTS/COST/TD
1  CM  NO-OF-TIMES-SERV               N  3.0  N
       HD=NO OF/TIMES/SERV
       EM=ZZ9
1  CN  DATE-LAST-SERV                 N  8.0  N
       HD=DATE/LAST/SERVICED
       EM=Z(9)99/99/99
1  CO  CONTRACTOR-CONVEYOR            A    9  N
       HD=CONTRACTOR/CONVEYOR
1  CP  INST-CONVEYOR                  N  4.0  N
       HD=INST/CONVEYOR
1  CQ  CONTRACTOR-RECEIVER            A    9  N
       HD=CONTRACTOR/RECEIVER
1  CR  INST-RECEIVER                  N  4.0  N
       HD=INST/RECEIVER
```

```
 DB 0    File 190  - NEMS-HISTORY                    Default Sequence


TYL  DB  Name                           F Leng  S D  Remarks
---  --  ------------------------------ - ----  - -  ----------------------
  1  CS  FREEZE-NO                      N 10.0
         HD=FREEZE NO
  1  HF  NEW-ECN                        A    7  N
         HD=NEW/ECN
  1  CT  PREVIOUS-ECN                   A    7  N
  1  HE  PREV-CUST-ACCT-NO              A    5  N
         HD=PREV/CUST/ACCT
  1  CU  MFG-NAME                       A   30  N
         HD=MANUFACTURER NAME
M 1  CW  ENTRY-REF-NO                   N 10.0  N
         HD=ENTRY/REF NO
M 1  CX  TRANS-NO                       A    3  N
         HD=TRANS/NO
  1  CY  LOCAL-DATA                     A   70  N
         HD=LOCAL/DATA
  1  CZ  DELETE-DATE                    N  8.0  N D
         HD=DELETE/DATE
         EM=Z(9)99/99/99
  1  PA  EXCESS-CASE-NUMBER             A   14  N D
  1  SA  FED-SUPPLY-GROUP               A    2  N S
  1  GJ  LOCATION                       A    5  N
M 1  DA  PROP-TRNSCTN-ERN-NMBR          N 12.0  N
         HD=NPDMS/ENTRY/REF NO
M 1  DB  PROP-TRNSCTN-ID                A    4  N
         HD=NPDMS/TRANS/id
```

```
 DB 0    File 187  - NEMS-DAILY-TRANS                Default Sequence


TYL  DB  Name                            F Leng  S D  Remarks

---  --  ------------------------------- - ----  - -  ----------------------

  1  AA  ECN                             A    7    D

         HD=ECN

G 1  AB  INST-NO

         HD=INST/NO

  2  A1  INST-ACCT                       N  2.0

         HD=INST/ACCT

  2  A2  INST-SUB                        N  2.0

         HD=INST/SUB

  1  AC  ITEM-NAME                       A   30  N D

         HD=ITEM NAME

  1  HA  ITEM-NAME-STD                   A    1  N

         HD=ITEM/NAME/STD

  1  AD  MFG-CODE                        A    5    D

         HD=MFG/CODE

  1  AE  MFG-MODEL-NO                    A   20  N D

         HD=MFG MODEL NO

  1  AF  MFG-SERIAL-NO                   A   20  N

         HD=MFG SERIAL NO

  1  AG  YEAR-MFG                        A    4

         HD=YEAR/MFG

  1  AH  NATIONAL-STOCK-NO               A   13  N

         HD=NATIONAL/STOCK NO

  1  AI  COST                            N  9.2  N

         HD=COST

  1  AJ  CAP-SENS-CODE                   A    1

         HD=CAP/SENS/CODE
```

```
1  AK  AVAIL-STATUS-CODE              A    1    D
       HD=AVAIL/STATUS/CODE
1  AL  PREV-AVAIL-STATUS-CODE         A    1
       HD=PREV/AVAIL/STATUS
1  AM  DATE-NASA-ACQ                  N  8.0
       HD=DATE/NASA ACQ
       EM=Z(9)99/99/99
1  AO  DATE-INST-ACQ                  N  8.0
       EM=Z(9)99/99/99
1  AR  ACQ-DOC-CNTL-NO                A   11  N
       HD=ACQ DOC/CONTROL NO
1  AU  CUST-ACCT-NO                   A    5  N D
       HD=CUST/ACCT/NO
1  AV  CUST-NO                        A    6  N D
       HD=CUST/NO
1  AX  USER-NO                        A    6  N D
       HD=USER/NO
1  AY  EQUIP-ZIP-CODE                 A    5    D
       HD=EQUIP/ZIP/CODE
1  AZ  EQUIP-BUILDING                 A   10  N D
       HD=EQUIP/BLDG
1  BA  EQUIP-ROOM                     A    5  N
       HD=EQUIP/ROOM
1  BC  DATE-INVENTORIED               N  8.0  N
       HD=DATE/INVENTORIED
       EM=Z(9)99/99/99
1  BE  DATE-AVAILABLE                 N  8.0  N
       HD=DATE/AVAILABLE
       EM=Z(9)99/99/99
```

```
 DB 0    File 187  - NEMS-DAILY-TRANS                Default Sequence


TYL  DB  Name                           F Leng  S D  Remarks

---  --  ------------------------------ - ----  - -  ----------------------
  1  BF  EST-COST-CODE                  A    1
         HD=EST/COST/CODE
  1  BG  CONDITION-CODE                 A    2
         HD=COND/CODE
  1  BH  UNIQUE-EQUIP-NO                A    8  N D
         HD=UNIQUE/EQUIP NO
  1  BI  HAZ-MATERIAL-CODE              A    1
         HD=HAZ/MAT/CODE
  1  BJ  PREC-METAL-CODE                A    1
         HD=PREC/METAL/CODE
  1  BK  DATE-LAST-CALIBRATED           N  8.0  N
         HD=DATE LAST/CALIBRATED
         EM=Z(9)99/99/99
  1  BL  DATE-CALIBRATION-DUE           N  8.0  N
         HD=DATE/CALIBRATION/DUE
         EM=Z(9)99/99/99
  1  BM  DATE-WRNTY-EXP-MATERIAL        N  6.0  N
         HD=DATE WRNTY/EXP-MAT
         EM=99/99
  1  BN  DATE-WRNTY-EXP-LABOR           N  6.0  N
         HD=DATE WRNTY/EXP-LABOR
         EM=99/99
  1  BO  OTHER-AGENCY-NO                N  2.0  N
         HD=OTHER/AGENCY/NO
  1  BP  CONTRACTOR-TAG-NO              A   13  N D
         HD=CONTRACTOR/TAG NO
```

```
1  BQ  CONTRACTOR-ACCT                A    9  N D
       HD=CONTRACTOR/ACCT
1  BR  L-L-DOC-NO                     A    6  N D
       HD=LOAN/LEASE/DOC NO
1  BS  DATE-L-L-B-IN-DUE              N  8.0  N
       HD=LOAN LEASE/BORROW/IN DUE
       EM=Z(9)99/99/99
1  BT  DATE-LOANED-OUT                N  8.0  N
       HD=DATE/LOANED/OUT
       EM=Z(9)99/99/99
1  BU  DATE-LEASED-OUT                N  8.0  N
       HD=DATE/LEASED/OUT
       EM=Z(9)99/99/99
1  BV  DATE-SHIPPED-OTHER-INST        N  8.0  N
       HD=DATE/SHIPPED/OTHER INST
       EM=Z(9)99/99/99
1  BW  DATE-BORROWED-OUT              N  8.0  N
       HD=DATE/BORROWED/OUT
       EM=Z(9)99/99/99
1  BX  DATE-STORAGE-DUE               N  8.0  N
       HD=DATE/STORAGE/DUE
       EM=Z(9)99/99/99
1  CA  DATE-L-L-B-OUT-DUE             N  8.0  N
       HD=LOAN LEASE/BORROW/OUT DUE
       EM=Z(9)99/99/99
1  HD  DATE-REPAIR-RETURN-DUE         N  8.0  N
       HD=DATE/REPAIR/DUE
       EM=Z(9)99/99/99
```

```
 DB 0    File 187  - NEMS-DAILY-TRANS                Default Sequence


TYL  DB  Name                           F Leng  S D  Remarks

---  --  ------------------------------ - ----  - -  ----------------------

  1  CE  EQUIP-MGMT-CODE                A    1

         HD=EQUIP/MGMT/CODE

  1  CF  IDLE-EQUIP-CODE                A    1

         HD=IDLE/EQUIP/CODE

  1  CG  LABOR-COST-LAST-SERV           N  6.0  N

         HD=LABOR/COST/LAST

  1  CJ  PARTS-COST-LAST-SERV           N  6.0  N

         HD=PARTS/COST/LAST

  1  CN  DATE-LAST-SERV                 N  8.0  N

         HD=DATE/LAST/SERVICED

         EM=Z(9)99/99/99

  1  CO  CONTRACTOR-CONVEYOR            A    9  N

         HD=CONTRACTOR/CONVEYOR

  1  CP  INST-CONVEYOR                  N  4.0  N

         HD=INST/CONVEYOR

  1  CQ  CONTRACTOR-RECEIVER            A    9  N

         HD=CONTRACTOR/RECEIVER

  1  CR  INST-RECEIVER                  N  4.0  N

         HD=INST/RECEIVER

  1  CS  FREEZE-NO                      N 10.0

         HD=FREEZE NO

  1  CT  PREVIOUS-ECN                   A    7  N

         HD=PREVIOUS/ECN

  1  CU  MFG-NAME                       A   30  N

         HD=MANUFACTURER NAME

  1  CW  ENTRY-REF-NO                   N 10.0  N D
```

```
       HD=ENTRY/REF NO
1  CX  TRANS-NO                      A    3  N D
       HD=TRANS/NO
1  CY  LOCAL-DATA                    A   70  N
       HD=LOCAL/DATA
1  DA  PRINT-NEMS-1                  A    1    D
       HD=PRINT/NEMS/1
1  DB  CURRENT-DATE                  N  8.0  N
       HD=CURRENT/DATE
       EM=Z(9)99/99/99
1  DC  CURRENT-TIME                  N  7.0  N
       HD=CURRENT/TIME
1  DD  NEMS-USER-ID                  A    8
       HD=NEMS/USER/ID
1  DE  ADJUSTMENT-COST               N  9.2  N
1  DF  RECON-CODE                    A    1  N
1  DG  ADJ-DOC-REF                   A   11  N
1  DH  PREV-CUST-ACCT-NO             A    5  N
       HD=PREVIOUS/CUST-ACCT/NUMBER
1  DI  PREV-NATIONAL-STOCK-NO        A   13  N
       HD=PREVIOUS/NATIONAL/STOCK NO
1  DJ  PREV-COST                     N  9.2  N
       HD=PREVIOUS/COST
1  DK  PREV-CAP-SENS-CODE            A    1  F
       HD=PREVIOUS/CAP SENS/CODE
1  DL  PREV-USER-NO                  A    6  N
       HD=PREVIOUS/USER NO
1  DM  PREV-CUST-NO                  A    6  N
       HD=PREVIOUS/CUST NO
```

DB 0 File 187 - NEMS-DAILY-TRANS Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	SA	FED-SUPPLY-GROUP	A	2	N	S	

```
 DB 0    File 193  - NEMS-MONTH-TRANS                Default Sequence


TYL  DB  Name                            F Leng  S D  Remarks

---  --  ------------------------------- - ----  - -  ----------------------

  1  AA  ECN                             A    7    D

         HD=ECN

G 1  AB  INST-NO

         HD=INST/NO

  2  A1  INST-ACCT                       N  2.0

         HD=INST/ACCT

  2  A2  INST-SUB                        N  2.0

         HD=INST/SUB

  1  AC  ITEM-NAME                       A   30  N D

         HD=ITEM NAME

  1  HA  ITEM-NAME-STD                   A    1  N

         HD=ITEM/NAME/STD

  1  AD  MFG-CODE                        A    5    D

         HD=MFG/CODE

  1  AE  MFG-MODEL-NO                    A   20  N D

         HD=MFG MODEL NO

  1  AF  MFG-SERIAL-NO                   A   20  N

         HD=MFG SERIAL NO

  1  AG  YEAR-MFG                        A    4

         HD=YEAR/MFG

  1  AH  NATIONAL-STOCK-NO               A   13  N

         HD=NATIONAL/STOCK NO

  1  AI  COST                            N  9.2  N

         HD=COST

  1  AJ  CAP-SENS-CODE                   A    1

         HD=CAP/SENS/CODE
```

```
1  AK  AVAIL-STATUS-CODE              A    1    D
       HD=AVAIL/STATUS/CODE
1  AL  PREV-AVAIL-STATUS-CODE         A    1
       HD=PREV/AVAIL/STATUS
1  AM  DATE-NASA-ACQ                  N  8.0
       HD=DATE/NASA ACQ
       EM=Z(9)99/99/99
1  AO  DATE-INST-ACQ                  N  8.0
       EM=Z(9)99/99/99
1  AR  ACQ-DOC-CNTL-NO                A   11  N
       HD=ACQ DOC/CONTROL NO
1  AU  CUST-ACCT-NO                   A    5  N D
       HD=CUST/ACCT/NO
1  AV  CUST-NO                        A    6  N D
       HD=CUST/NO
1  AX  USER-NO                        A    6  N D
       HD=USER/NO
1  AY  EQUIP-ZIP-CODE                 A    5    D
       HD=EQUIP/ZIP/CODE
1  AZ  EQUIP-BUILDING                 A   10  N D
       HD=EQUIP/BLDG
1  BA  EQUIP-ROOM                     A    5  N
       HD=EQUIP/ROOM
1  BC  DATE-INVENTORIED               N  8.0  N
       HD=DATE/INVENTORIED
       EM=Z(9)99/99/99
1  BE  DATE-AVAILABLE                 N  8.0  N
       HD=DATE/AVAILABLE
       EM=Z(9)99/99/99
```

DB 0 File 193 - NEMS-MONTH-TRANS Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	BF	EST-COST-CODE	A	1			
		HD=EST/COST/CODE					
1	BG	CONDITION-CODE	A	2			
		HD=COND/CODE					
1	BH	UNIQUE-EQUIP-NO	A	8	N	D	
		HD=UNIQUE/EQUIP NO					
1	BI	HAZ-MATERIAL-CODE	A	1			
		HD=HAZ/MAT/CODE					
1	BJ	PREC-METAL-CODE	A	1			
		HD=PREC/METAL/CODE					
1	BK	DATE-LAST-CALIBRATED	N	8.0	N		
		HD=DATE LAST/CALIBRATED					
		EM=Z(9)99/99/99					
1	BL	DATE-CALIBRATION-DUE	N	8.0	N		
		HD=DATE/CALIBRATION/DUE					
		EM=Z(9)99/99/99					
1	BM	DATE-WRNTY-EXP-MATERIAL	N	6.0	N		
		HD=DATE WRNTY/EXP-MAT					
		EM=99/99					
1	BN	DATE-WRNTY-EXP-LABOR	N	6.0	N		
		HD=DATE WRNTY/EXP-LABOR					
		EM=99/99					
1	BO	OTHER-AGENCY-NO	N	2.0	N		
		HD=OTHER/AGENCY/NO					
1	BP	CONTRACTOR-TAG-NO	A	13	N	D	
		HD=CONTRACTOR/TAG NO					

```
1  BQ  CONTRACTOR-ACCT                A    9  N D
       HD=CONTRACTOR/ACCT
1  BR  L-L-DOC-NO                     A    6  N D
       HD=LOAN/LEASE/DOC NO
1  BS  DATE-L-L-B-IN-DUE              N  8.0  N
       HD=LOANLEASE/BORROW/IN DUE
       EM=Z(9)99/99/99
1  BT  DATE-LOANED-OUT                N  8.0  N
       HD=DATE/LOANED/OUT
       EM=Z(9)99/99/99
1  BU  DATE-LEASED-OUT                N  8.0  N
       HD=DATE/LEASED/OUT
       EM=Z(9)99/99/99
1  BV  DATE-SHIPPED-OTHER-INST        N  8.0  N
       HD=DATE/SHIPPED/OTHER INST
       EM=Z(9)99/99/99
1  BW  DATE-BORROWED-OUT              N  8.0  N
       HD=DATE/BORROWED/OUT
       EM=Z(9)99/99/99
1  BX  DATE-STORAGE-DUE               N  8.0  N
       HD=DATE/STORAGE/DUE
       EM=Z(9)99/99/99
1  CA  DATE-L-L-B-OUT-DUE             N  8.0  N
       HD=LOAN LEASE/BORROW/OUT DUE
       EM=Z(9)99/99/99
1  HD  DATE-REPAIR-RETURN-DUE         N  8.0  N
       HD=DATE/REPAIR/DUE
       EM=Z(9)99/99/99
```

```
 DB 0    File 193  - NEMS-MONTH-TRANS                Default Sequence


TYL  DB  Name                           F Leng  S D  Remarks
---  --  ------------------------------ - ----  - -  ----------------------
  1  CE  EQUIP-MGMT-CODE                A    1
         HD=EQUIP/MGMT/CODE
  1  CF  IDLE-EQUIP-CODE                A    1
         HD=IDLE/EQUIP/CODE
  1  CG  LABOR-COST-LAST-SERV           N  6.0  N
         HD=LABOR/COST/LAST
  1  CJ  PARTS-COST-LAST-SERV           N  6.0  N
         HD=PARTS/COST/LAST
  1  CN  DATE-LAST-SERV                 N  8.0  N
         HD=DATE/LAST/SERVICED
         EM=Z(9)99/99/99
  1  CO  CONTRACTOR-CONVEYOR            A    9  N
         HD=CONTRACTOR/CONVEYOR
  1  CP  INST-CONVEYOR                  N  4.0  N
         HD=INST/CONVEYOR
  1  CQ  CONTRACTOR-RECEIVER            A    9  N
         HD=CONTRACTOR/RECEIVER
  1  CR  INST-RECEIVER                  N  4.0  N
         HD=INST/RECEIVER
  1  CS  FREEZE-NO                      N 10.0
         HD=FREEZE NO
  1  CT  PREVIOUS-ECN                   A    7  N
         HD=PREVIOUS/ECN
  1  CU  MFG-NAME                       A   30  N
         HD=MANUFACTURER NAME
  1  CW  ENTRY-REF-NO                   N 10.0  N D
```

```
       HD=ENTRY/REF NO
1  CX  TRANS-NO                      A    3  N D
       HD=TRANS/NO
1  CY  LOCAL-DATA                    A   70  N
       HD=LOCAL/DATA
1  DA  PRINT-NEMS-1                  A    1
       HD=PRINT/NEMS/1
1  DB  CURRENT-DATE                  N  8.0  N
       HD=CURRENT/DATE
       EM=Z(9)99/99/99
1  DC  CURRENT-TIME                  N  7.0  N
       HD=CURRENT/TIME
1  DD  NEMS-USER-ID                  A    8
       HD=USER/ID
1  DE  ADJUSTMENT-COST               N  9.2  N
1  DF  RECON-CODE                    A    1  N
1  DG  ADJ-DOC-REF                   A   11  N
1  DH  PREV-CUST-ACCT-NO             A    5  N
       HD=PREVIOUS/CUST ACCT/NUMBER
1  DI  PREV-NATIONAL-STOCK-NO        A   13  N
       HD=PREVIOUS/NATIONAL/STOCK NO
1  DJ  PREV-COST                     N  9.2  N
       HD=PREVIOUS/COST
1  DK  PREV-CAP-SENS-CODE            A    1  F
       HD=PREVIOUS/CAP SENS/CODE
1  DL  PREV-USER-NO                  A    6  N
       HD=PREVIOUS/USER NO
1  DM  PREV-CUST-NO                  A    6  N
       HD=PREVIOUS/CUST NO
```

DB 0 File 193 - NEMS-MONTH-TRANS Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	SA	FED-SUPPLY-GROUP	A	2	N	S	

DB 0 File 194 - NEMS-REPORTS Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	AA	REPORT-NUMBER	A	3		D	
		HD=REPORT/NUMBER					
1	AC	REPORT-FREQ	A	2		D	
		HD=REPORT/FREQUENCY					
1	AE	REPORT-EFF-DATE	A	7		D	
		HD=EFFECTIVE/DATE					
1	AG	REPORT-USERID	A	8		D	
		HD=REQUESTING/USERID					
1	AH	REPORT-PARAMS	A	150	N		
		HD=REPORT PARAMETERS					
1	AI	REPORT-DEST	A	10	N		
		HD=REPORT/DESTINATION					
1	AK	REPORT-MAIL-STOP	A	7	N		
		HD=MAIL STOP					
1	AM	REPORT-COPIES	N	2.0	N		
		HD=NUMBER/COPIES					
1	AO	REPORT-DIST	A	20	N		
		HD=REPORT/DISTRIBUTION					
1	AQ	REPORT-INSTAL	A	40	N		
		HD=REPORT INSTALLATION					
1	AS	REPORT-XEROX	A	1			
		HD=XEROX/PRINT					
1	AU	REPORT-BINDING	A	1			
		HD=BINDING					
1	AW	REPORT-STATUS	A	1			
		HD=REPORT/STATUS					

```
1  BA  REPORT-SELECTION                A  250  N

       HD=REPORT SELECTION VALUES

1  BD  REPORT-WHERE                    A  250  N

       HD=REPORT WHERE FIELDS

1  BG  REPORT-SORT                     A  250  N

       HD=REPORT SORT FIELDS

1  BJ  REPORT-DISPLAY                  A  253  N

       HD=REPORT DISPLAY FIELDS
```

DB 0 File 192 - NEMS-INVENTORY Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	AA	INV-RECORD-TYPE	A	1	F	D	
1	AC	INV-PROCESS-TYPE	A	1	F	D	
1	AE	INV-ACCOUNT-TYPE	A	1	F	D	
1	AF	INV-PROCESS-FLAG	A	1	F	D	
1	AG	INV-DISCREPANCY-FLAG	A	1	F	D	
1	AI	INV-ACCOUNT-NO	A	5	N	D	
1	AJ	INV-LOCATION-NO	A	5	N	D	
1	AK	INV-SUB-ACCT-NO	A	5	N	D	
1	AO	INV-OPEN-DATE	A	8	N	D	
1	AQ	INV-PROCESS-DATE	A	8	N		
1	AU	INV-CLOSE-DATE	A	8	N		
1	AW	INV-DATE-STAMP	A	8	N		
1	AY	INV-TIME-STAMP	A	10	N		
1	BA	INV-USERID-STAMP	A	8	N		
1	BC	INV-ECN	A	7		D	
1	BD	INV-ITEM-NAME	A	30	N		
1	BF	INV-MFG-CODE	A	5			
1	BH	INV-MFG-MODEL-NO	A	20	N		
1	BJ	INV-MFG-SERIAL-NO	A	20	N		
1	BL	INV-DATE-INVENTORIED	N	8.0		D	
1	BN	INV-CUST-ACCT-NO	A	5	N	D	
1	BO	INV-LOCATION	A	5	N	D	
1	BP	INV-CUST-NO	A	6	N		
1	BR	INV-USER-NO	A	6	N		
1	BT	INV-EQUIP-ZIP-CODE	A	5			
1	BV	INV-EQUIP-BUILDING	A	10	N		

```
1  BX  INV-EQUIP-ROOM                A    5  N
1  BZ  INV-IDLE-EQUIP-CODE           A    1  F
1  CA  INV-EQUIP-MGMT-CODE           A    1  F
1  CC  INV-EQUIP-IN-CODE             A    1  F
1  CE  INV-EQUIP-OUT-CODE            A    1  F
1  CF  INV-CAP-SENS-CODE             A    1  F
1  CH  INV-COST                      N  9.2  N
1  CJ  INV-INST-ACCT                 N  2.0
1  CL  INV-INST-SUB                  N  2.0    D
1  CN  INV-NEMS1-SW                  A    1  F D
1  CP  INV-LOC-CHANGE-SW             A    1  F D
1  CQ  INV-ACCT-LOC-SW               A    1  N
1  ZA  SUPER-INV-DISCREPANCY         A   10    S
1  ZB  SUPER-INV-PROCESS-CUST        A    9  N S
1  ZC  SUPER-INV-PROCESS-LOC         A    9  N S
```

DB 0 File 185 - NEMS-BAR-CODE Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	AA	BAR-PROCESS-FLAG	A	1	F	D	
1	AC	BAR-DISCREPANCY-FLAG	A	1	F	D	
1	AE	BAR-RECORD-TYPE	A	1	F	D	
1	AG	BAR-ACCOUNT-ENTERED	A	5	N	D	
1	AH	BAR-LOCATION-ENTERED	A	5	N	D	
1	AI	BAR-ACTUAL-ACCT	A	5	N	D	
1	AJ	BAR-ACTUAL-LOCATION	A	5	N	D	
1	AK	BAR-CURRENT-DATE	A	8	N		
1	AO	BAR-CURRENT-TIME	A	10	N		
1	AQ	BAR-USERID	A	8	N	D	
1	AU	BAR-UNIT-ID	A	7			
1	AW	BAR-OPERATOR-ID	A	6			
1	AY	BAR-DATE-INVENTORIED	N	8.0		D	
1	BA	BAR-CUST-ACCT-NO	A	5	N	D	
1	BB	BAR-LOCATION	A	5	N	D	
1	BC	BAR-EQUIP-BLDG	A	10		D	
1	BE	BAR-EQUIP-ROOM	A	5		D	
1	BG	BAR-ECN	A	7		D	
1	BI	BAR-FLAG	A	1	F	D	
1	BK	BAR-INST-ACCT	N	2.0			
1	BM	BAR-INST-SUB	N	2.0		D	
1	BO	BAR-REC-UPLOADED	N	7.0			
1	ZA	SUPER-BAR-DISCREPANCY	A	10		S	

```
 DB 0    File 195  - NEMS-TABLE                        Default Sequence


TYL  DB  Name                            F Leng  S D  Remarks

---  --  ------------------------------- - ----  - -  ------------------------
  1  TA  TABLE-ID-KEY                    A   13    D
         HD=TABLE/ID-KEY
  1  AB  T-MFG-NAME                      A   30  N D
         HD=MANUFACTURER NAME
  1  AC  T-MFG-ADDR                      A   40  N
         HD=MANUFACTURER ADDRESS
  1  BB  T-EQUIP-TYPE-ACCT               N  4.0  N
         HD=EQUIP/TYPE/ACCT
  1  BC  T-FED-SUP-GP-DEF                A   70  N
         HD=FEDERAL SUPPLY/GROUP DEFINITION
  1  CB  T-EQUIP-TYPE-ACCT-DEF           A   50  N
         HD=EQUIPMENT TYPE/ACCOUNT DEFINITION
  1  DB  T-CUST-NO                       A    6  N
         HD=CUST/NO
  1  DC  T-CUST-NAME                     A   30  N D
         HD=CUSTODIAN NAME
  1  DG  T-CUST-ACCT-NAME                A   30  N
         HD=CUST/ACCT/NAME
  1  DD  T-CUST-MAIL-CODE                A    7  N
         HD=CUST/MAIL/CODE
  1  DF  T-CUST-ORG-CODE                 A    7  N
         HD=CUST/ORG CODE
  1  DH  T-PHONE-NO                      A   19  N
         HD=PHONE/NUMBER
  1  EB  T-USER-NAME                     A   30  N D
         HD=USER NAME
```

```
1  FB  T-BUILDING-NAME                 A   20  N D
       HD=BUILDING NAME
1  GB  T-CAP-SENS-CODE-DEF             A   35  N
       HD=CAPITAL SENSITIVE/CODE DEFINITION
1  HB  T-AGENCY-NAME                   A   50  N
       HD=AGENCY NAME
1  HC  T-AGENCY-ACRONYM                A   20  N
       HD=AGENCY ACRONYM
1  IB  T-EQUIP-MGMT-CODE-DEF           A   70  N
       HD=EQUIPMENT MANAGEMENT/CODE DEFINITION
1  JB  T-EQUIP-IN-CODE-DEF             A   70  N
       HD=EQUIPMENT IN/CODE DEFINITION
1  KB  T-EQUIP-OUT-CODE-DEF            A   70  N
       HD=EQUIPMENT OUT/CODE DEFINITION
1  LB  T-HAZ-MAT-CODE-DEF              A    3  N
       HD=HAZ MAT/CODE DEF
1  MB  T-PREC-METAL-CODE-DEF           A    3  N
       HD=PREC METAL/CODE DEF
1  NB  T-IDLE-EQUIP-CODE-DEF           A    3  N
       HD=IDLE EQUIP/CODE DEF
1  OC  T-INST-NAME                     A   40  N
       HD=INSTALLATION NAME
1  OD  T-INST-ACRONYM                  A    4  N
       HD=INST/ACRONYM
1  OE  T-INST-ZIP-CODE                 N  5.0  N
       HD=INST/ZIP/CODE
1  OG  T-INST-DELETE-FORM              A    4  N
       HD=INST/DELETE/FORM
1  PB  T-AVAIL-STAT-CODE-DEF           A   20  N
```

```
 DB 0    File 195  - NEMS-TABLE                        Default Sequence


TYL  DB  Name                            F Leng  S D  Remarks

---  --  ------------------------------- - ----  - -  ----------------------

         HD=AVAILABILITY STATUS/CODE DEFINITION

  1  QB  T-CONDITION-CODE-DEF            A   25  N

         HD=CONDITION CODE/DEFINITION

  1  RB  T-TRANS-NAME                    A   70  N

         HD=TRANSACTION NAME

  1  RC  T-TRANS-TYPE                    A    1  N

         HD=TRANS/TYPE

  1  RD  T-SHORT-TRANS-NAME              A   30  N

         HD=SHORT TRANS NAME

  1  TC  TABLE-DESC                      A   40  N

         HD=TABLE DESCRIPTION

  1  TD  TABLE-AUTH                      A    4  N

         HD=TABLE AUTH

  1  UA  T-USERID-NAME                   A   30  N

         HD=USERID NAME

  1  UB  T-USERID-INST-ACCT              A    2  N

         HD=USERID/INST/ACCT

  1  UC  T-USERID-INST-SUB               A    2  N

         HD=USERID/INST/SUB

G 1  UD  T-USERID-AUTH

         HD=USERID AUTHORITY

  2  UE  T-EQUIP-AUTH                    A    1  N

         HD=EQUIP/AUTH

  2  UF  T-REPORT-AUTH                   A    1  N

         HD=REPORT/AUTH

  2  UG  T-TABLE-AUTH                    A    1  N
```

```
       HD=TABLE/AUTH
2  UH  T-ADHOC-AUTH                    A    1  N
       HD=ADHOC/AUTH
2  UI  T-MAINT-AUTH                    A    1  N
       HD=MAINT/AUTH
1  VA  T-ERROR-MESSAGE                 A   70  N
       HD=ERROR MESSAGE
1  WA  T-ENTRY-REFERENCE-NO            N  4.0  N
       HD=ENTRY/REFERENCE/NUMBER
1  WB  T-FREEZE-NO                     N  4.0  N
       HD=FREEZE/NUMBER
1  XA  T-REPORT-NAME                   A   60  N
       HD=REPORT NAME
1  XB  T-REPORT-OPTIONS                A    1  N
       HD=REPORT OPTIONS
1  XC  T-REPORT-RUNS                   N  5.0  N
       HD=NUMBER/RUNS
1  YA  T-ACCEPT-REJECT-REASON          A   70  N
       HD=ACCEPT-REJECT REASON
1  SA  TABLE-ID                        A    3    S
1  SB  TABLE-KEY                       A   10    S
```

DB 0 File 191 - NEMS-INV-STATUS Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	AA	STA-RECORD-TYPE	A	1	F	D	
1	AC	STA-REC-PROCESSED	N	7.0			
1	AE	STA-OVERAGE	N	7.0			
1	AG	STA-UNDERAGE	N	7.0			
1	AI	STA-LOCATION	N	7.0			
1	AK	STA-ACCOUNT-NO	A	5	N	D	
1	AL	STA-LOCATION-NO	A	5	N	D	
1	AO	STA-OPEN-DATE	A	8			
1	AQ	STA-OPERATOR-ID	A	6		D	
1	AU	STA-UNIT-ID	A	7		D	
1	AW	STA-DATE-INVENTORIED	N	8.0		D	
1	AY	STA-TRANS-NO	A	3	N	D	
1	BA	STA-BUILDING	A	10	N	D	
1	BC	STA-ROOM	A	5	N		
1	BE	STA-COST	N	9.2	N		
1	BG	STA-INST-ACCT	N	2.0			
1	BI	STA-INST-SUB	N	2.0		D	
1	BK	STA-ECN	A	7		D	
1	BM	STA-CLOSE-DATE	A	8	N		
1	BO	STA-ITEM-NAME	A	30	N		
1	BQ	STA-ENTRY-REF-NO	N	10.0	N	D	
1	BS	STA-COMMENTS	A	70	N		
1	BU	STA-CUST-ACCT-NEW	A	5	N		
1	BV	STA-LOCATION-NEW	A	5	N		
1	BW	STA-DISCREPANCY-FLAG	A	1	F		
1	SA	STA-TRANS-NO-ENTRY-REF	A	13	N	S	

```
1  SC  STA-ACCT-NO-ENTRY-REF          A   15  N S
```

APPENDIX D - INVENTORY BATCH JCL

```
JCLJOB  050010X          //IRNEMSTR JOB (MSIRMNEMS004,4201),'NEMS PMGR',CLASS=D,

JCLJOB  050020 X        X//IRNEMSMP JOB (MSIRMNEMS004,4201),'NEMS PGMR',CLASS=D,

JCLJOB  050030  X        //IRNEMSUP JOB (MSIRMNEMS004,4201),'NEMS PGMR',CLASS=D,

JCLJOB  050040   X       //IRNEMSLX JOB (MSIRMNEMS004,4201),'NEMS PROG',CLASS=D,

JCLJOB  050060     X     //IRNEM999 JOB (MSIRMNEMS004,4201),'NEMS PGMR',CLASS=D,

JCLJOB  050110         X //IRNEMSNT JOB (MSIRMNEMS004,4201),'NEMS PGMR',CLASS=D,

JCLJOB2 050310XXXX X    XX//           MSGCLASS=I,NOTIFY=XXXXX

JCLJOB2 050312XXXX X    XX/*JOBPARM  L=150,LINECT=66

JCLOUTP 050910XXXX X    XX//HP4201   OUTPUT DEFAULT=NO,CLASS=I,DEST=U1109

JCLOUTP 050915XXXX X    XX//HP1342   OUTPUT DEFAULT=NO,CLASS=I,DEST=U1109

JCLOUTP 050920XXXX X    XX//HP1602   OUTPUT DEFAULT=NO,CLASS=I,DEST=U1109

JCLOUTP 050910XXXX X    XX//LP4201   OUTPUT DEFAULT=NO,CLASS=7,DEST=HCCA,WRITER=P3103102

JCLEXEC 100010XXXX X    XX//NEMSNAT1 EXEC N01Z

JCLDD   100110XXXX X    XX//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   100120XXXX X    XX//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   100130XXXX X    XX//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   100150XXXX X    XX//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   100160XXXX X    XX//SORTWK05 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   100165XXXX X    XX//SORTWK06 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
```

```
JCLDD   100180XXXX X    XX//SORTOUT  DD DUMMY,DCB=BLKSIZE=80
JCLDD   100200XXXX X    XX//DDSORTIN DD DISP=(,DELETE),DCB=RECFM=FB,
JCLDD   100210XXXX X    XX//           UNIT=SYSDA,SPACE=(CYL,(1,3))
JCLDD   100220XXXX X    XX//DDSORTUT DD UNIT=SYSDA,DISP=(,DELETE) ,DCB=RECFM=FB,SPACE=(CYL,(1,3))
JCLDD   100230XXXX X    XX//SYSOUT   DD SYSOUT=*
JCLDD   100240XXXX X    XX//SORTMSG  DD SYSOUT=*
JCLDD   100250XXXX X    XX//SYSPRINT DD SYSOUT=*
JCLDD   100270XXXX X    XX//DDPRINT  DD SYSOUT=*
JCLDD   100310XXXX X    XX//CMPRINT  DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1
JCLPRINT100310           //CMPRINT  DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1
JCLDD   100311  X        //CMPRT02  DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1
JCLPRINT100311           //CMPRT02  DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1
JCLDD   100360  X  X     //CMPRT04  DD SYSOUT=(,),OUTPUT=(*.HP1602),COPIES=1
JCLDD   100365  X  X     //CMPRT05  DD SYSOUT=(,),OUTPUT=(*.HP1342),COPIES=1,DCB=BLKSIZE=84
JCLDD   100410XXXX X    XX//CMWKF01  DD SYSOUT=(A,INTRDR),DCB=(RECFM=F,LRECL=80,BLKSIZE=6160)
JCLDD   100420XXXX X    XX//CMWKF02  DD DSN=MSIRM.NEMS.JOURNAL,DISP=MOD
JCLMSM02100430          M //CMWKF03  DD DUMMY,DCB=BLKSIZE=600
JCLMSM02100440          M //CMWKF04  DD DSN=MSIRM.NEMS.MNTHTRNS(+1),
JCLMSM02100441          M //           DISP=(NEW,CATLG,DELETE),DCB=(NACCADM.MD,
JCLMSM02100442          M //           RECFM=FB,LRECL=600,BLKSIZE=6000),UNIT=SYSDA,
JCLMSM02100443          M //           SPACE=(CYL,(1,3))
```

```
JCLDD   100470  X  X      //CMWKF07  DD DISP=(,DELETE),
JCLDD   100471  X  X      //            UNIT=SYSDA,SPACE=(CYL,(1,3)),DCB=RECFM=FB
JCLMSM01100472          M //CMWKF07  DD DISP=(,DELETE),
JCLMSM01100473          M //            DCB=(RECFM=FB,LRECL=140,BLKSIZE=1400),
JCLMSM01100474          M //            UNIT=SYSDA,SPACE=(CYL,(1,1))
JCLMSA02100480          M //CMWKF08  DD DSN=MSIRM.NEMS.HISTDATA(+1),
JCLMSA02100481          M //            DISP=(NEW,CATLG,DELETE),DCB=(NACCADM.MD,
JCLMSA02100482          M //            RECFM=FB,LRECL=928,BLKSIZE=9280),UNIT=SYSDA,
JCLMSA02100483          M //            SPACE=(CYL(,(1,3))
JCLDD   100490   X        //CMWKF09  DD DSN=&&NEMSWRK9,DISP=(,DELETE),
JCLDD   100491   X        //            UNIT=SYSDA,SPACE=(CYL,(1,1)),DCB=(RECFM=FB)
JCLDD   100495   X        //CMWKF10  DD DSN=&&NEMSWK10,DISP=(,DELETE),
JCLDD   100496   X        //            UNIT=SYSDA,SPACE=(CYL,(5,2)),DCB=(RECFM=FB)
JCLDD   100497          X //CMWKF12  DD DSN=MSIRM.NEMS.PROD.TRANSFER,DISP=SHR,
JCLDD   100498          X //            DCB=(RECFM=FB,LRECL=80,BLKSIZE=6160)
JCLDD   100499          X //CMWKF13  DD DSN=&&NEMSWK13,DISP=(,DELETE),
JCLDD   100500          X //            UNIT=SYSDA,SPACE=(CYL,(10,5),RLSE),
JCLDD   100501          X //            DCB=(RECFM=FB,LRECL=240,BLKSIZE=1920)
JCLDD   100502          X //CMWKF14  DD DSN=MSIRM.NEMS.NTS.TRANSFER(+1),DISP=(,CATLG,DELETE),
JCLDD   100503          X //            DCB=(NACCADM.MD,RECFM=FB,LRECL=800,BLKSIZE=8000),
JCLDD   100504          X //            UNIT=SYSDA,SPACE=(CYL,(1,1),RLSE)
```

```
JCLDD   100510XXXX X    XX//CMSYNIN  DD *
JCLNATLG100511X XX X    X NEDEVL,NEBATCH
JCLNATLG100512X XX X    X %*
JCLNATLG100513X XX X    X NEBATCH
JCLPGM  100530X           JCLCHKP1 UTIL 01 2
JCLPGM  100532 X          JCLCHKP1 UTIL 02 2
JCLPGM  100534  X         JCLCHKP1 UTIL 03 2
JCLPGM  100538            JCLCHKP1 UTIL 05 2
JCLPGM  100540          X JCLCHKP1 UTIL 11 2
JCLPGM  100542           XJCLCHKP1 UTIL 12 2
JCLPGM  100547  X         MSD005P1
JCLPGM  100550  X         MSD001P1
JCLPGM  100555            MSD009P1___________/* X OUT OF CNTL 3 TO REMOVE 1342 PRINTS NEMS PRINT1
JCLPGM  100570     X      RPT999P1
JCLPGM  100574          X MSD008P1
JCLPGM  100576            MSD008P8
JCLMAINT100580          X MSZ099P1
JCLPGM  100582  X         INVBCHP1
JCLPGM  100585   X        TRN062PA
JCLPGM  100597            MSD008P1
JCLNAT  100598XXXX X    XXFIN
```

```
JCLECARD100599XXXX X    XX/*

JCLEXEC 400010XXX       XX//NEMSNAT2 EXEC N01Z,COND=(0,NE)

JCLDD   400110XXX       XX//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   400120XXX       XX//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   400130XXX       XX//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   400150XXX       XX//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   400180XXX       XX//SORTOUT  DD DUMMY,DCB=BLKSIZE=80

JCLDD   400200XXX       XX//DDSORTIN DD DISP=(,DELETE),DCB=RECFM=FB,

JCLDD   400210XXX       XX//            UNIT=SYSDA,SPACE=(CYL,(1,3))

JCLDD   400220XXX       XX//DDSORTUT DD UNIT=SYSDA,DISP=(,DELETE),SPACE=(CYL,(1,3)),DCB=RECFM=FB

JCLDD   400230XXX       XX//SYSOUT   DD SYSOUT=*

JCLDD   400240XXX       XX//SORTMSG  DD SYSOUT=*

JCLDD   400250XXX       XX//SYSPRINT DD SYSOUT=*

JCLDD   400260XXX       XX//SYSUDUMP DD SYSOUT=*

JCLDD   400270XXX  X    XX//DDPRINT  DD SYSOUT=*
JCLPRINT400310XXX       XX//CMPRINT  DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1

JCLDD   400410XXX       XX//CMWKF01  DD SYSOUT=(A,INTRDR),DCB=(RECFM=F,LRECL=80,BLKSIZE=6160)

JCLDD   400420XXX       XX//CMWKF02  DD DSN=MSIRM.NEMS.JOURNAL,DISP=MOD

JCLDD   400510XXX       XX//CMSYNIN  DD *

JCLNATLG400511X X       X NEDEVL,NEBATCH

JCLNATLG400512X X       X %*
```

```
JCLNATLG400513X X       X NEBATCH

JCLPGM  400530X           JCLCHKP1 UTIL 01 8

JCLPGM  400532 X          JCLCHKP1 UTIL 02 8

JCLPGM  400534  X         JCLCHKP1 UTIL 03 8

JCLPGM  400538            JCLCHKP1 UTIL 05 8

JCLPGM  400539          D MSD004P1

JCLPGM  400540          X JCLCHKP1 UTIL 11 8

JCLPGM  400542           XJCLCHKP1 UTIL 12 8

JCLNAT  400580XXX       XXFIN

JCLECARD400599XXX       XX/*

JCLEXEC 500010XXXX X    XX//NEMSNAT3 EXEC N01Z,COND=ONLY

JCLDD   500110XXXX X    XX//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   500120XXXX X    XX//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   500130XXXX X    XX//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   500150XXXX X    XX//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD   500180XXXX X    XX//SORTOUT  DD DUMMY,DCB=BLKSIZE=80

JCLDD   500200XXXX X    XX//DDSORTIN DD DISP=(,DELETE),DCB=RECFM=FB,

JCLDD   500210XXXX X    XX//            UNIT=SYSDA,SPACE=(CYL,(1,3))

JCLDD   500220XXXX X    XX//DDSORTUT DD UNIT=SYSDA,DISP=(,DELETE),DCB=RECFM=FB,SPACE=(CYL,(1,3))

JCLCOMM 500225XXXX X    XX//*

JCLDD   500230XXXX X    XX//SYSOUT   DD SYSOUT=*
```

```
JCLDD   500240XXXX X    XX//SORTMSG  DD SYSOUT=*

JCLDD   500250XXXX X    XX//SYSPRINT DD SYSOUT=*

JCLSPRNT500255     P      //SYSPRINT DD SYSOUT=*,COPIES=01

JCLDD   500260XXXX X    XX//SYSUDUMP DD SYSOUT=*

JCLDD   500270XXXX X    XX//DDPRINT  DD SYSOUT=*

JCLPRINT500310XXXX      XX//CMPRINT  DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1

JCLSPRNT500315     P      //CMPRINT  DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1

JCLDD   500410XXXX X    XX//CMWKF01  DD SYSOUT=(A,INTRDR),DCB=(RECFM=F,LRECL=80,BLKSIZE=6160)

JCLDD   500420XXXX X    XX//CMWKF02  DD DSN=MSIRM.NEMS.JOURNAL,DISP=MOD

JCLDD   500510XXXX X    XX//CMSYNIN  DD *

JCLNATLG500511X XX X    X NEDEVL,NEBATCH

JCLNATLG500512X XX X    X %*

JCLNATLG500513X XX X    X NEBATCH

JCLPGM  500530X           JCLCHKP1 UTIL 01 9

JCLPGM  500532 X          JCLCHKP1 UTIL 02 9

JCLPGM  500534  X         JCLCHKP1 UTIL 03 9

JCLPGM  500538            JCLCHKP1 UTIL 05 9

JCLPGM  500540          X JCLCHKP1 UTIL 11 9

JCLPGM  500542           XJCLCHKP1 UTIL 12 9

JCLPGM2 500579XXXX X    XXJRNRPTP1

JCLNAT  500580XXXX X    XXFIN
```

```
JCLECARD500599XXXX X    XX/*
JCLEXEC 600010            //NDMBAT   EXEC  NDMBATCH,
JCLEXEC 600050            //            PROCLB1='MSIRM.NEMS.NDM.PROCESS.LIB'
JCLCOMM 600090            //*
JCLDD   600180            //SYSIN    DD *
JCLDD   600190             SIGNON USERID=(XXXX,XXXX)
JCLDD   600200             SUBMIT PROC=NEMSHQ
JCLDD   600210            //****SEL PROC WHERE (QUEUE=A) TABLE
JCLDD   600220            /*
JCLCOMM 600910            //*
JCLCOMM 600920            //*
JCLEXEC 900010XXXX X    XX//NEMSNAT4 EXEC N01Z,COND=EVEN
JCLDD   900100XXXX X    XX//SORTLIB  DD DSN=SYS1.SORTLIB,DISP=SHR
JCLDD   900110XXXX X    XX//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD   900120XXXX X    XX//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD   900130XXXX X    XX//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD   900150XXXX X    XX//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD   900180XXXX X    XX//SORTOUT  DD DUMMY,DCB=BLKSIZE=80
JCLDD   900200XXXX X    XX//DDSORTIN DD DISP=(,DELETE),DCB=RECFM=FB,
JCLDD   900210XXXX X    XX//            UNIT=SYSDA,SPACE=(CYL,(1,3))
JCLDD   900220XXXX X    XX//DDSORTUT DD UNIT=SYSDA,DISP=(,DELETE),DCB=RECFM=FB,SPACE=(CYL,(1,3))
```

```
JCLDD   900230XXXX X    XX//SYSOUT   DD SYSOUT=*

JCLDD   900240XXXX X    XX//SORTMSG  DD SYSOUT=*

JCLDD   900250XXXX X    XX//SYSPRINT DD SYSOUT=*

JCLSPRNT900255     P      //SYSPRINT DD SYSOUT=*,COPIES=01

JCLDD   900260XXXX X    XX//SYSUDUMP DD SYSOUT=*

JCLDD   900270XXXX X    XX//DDPRINT  DD SYSOUT=*

JCLPRINT900310XXXX      XX//CMPRINT  DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1

JCLSPRNT900315     P      //CMPRINT  DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1

JCLCOMM 900400XXXX X    XX//*

JCLDD   900410XXXX X    XX//CMWKF01  DD SYSOUT=(A,INTRDR),DCB=(RECFM=F,LRECL=80,BLKSIZE=6160)

JCLDD   900420XXXX X    XX//CMWKF02  DD DSN=MSIRM.NEMS.JOURNAL,DISP=MOD

JCLDD   900430          X //CMWKF03  DD DSN=MSIRM.NEMS.JOURNAL,DISP=OLD

JCLDD   900510XXXX X    XX//CMSYNIN  DD *

JCLNATLG900511X XX X    X NEDEVL,NEBATCH

JCLNATLG900512X XX X    X %*

JCLNATLG900513X XX X    X NEBATCH

JCLPGM  900530XXX       XXJCLGENP1 GEN

JCLPGM2 900535   X        JCLCHKP1 GLBL

JCLPGM2 900540     X      JCLCHKP1 REPT

JCLPGM  900570          X JRNRPTP1

JCLPGM  900571          X JRNCLRP1
```

```
JCLNAT  900580XXXX X    XXFIN

JCLECARD900599XXXX X    XX/*

JCLEOF  999999XXXX X    XX//
```